

**Norfolk County Teachers Association  
March 2014**

***Course Descriptions***

**All courses three credits:**

**PRDV 70214 Low-Literacy and Bilingual Students**

Concentrates on increasing the participant's understanding of the academic, linguistic, and socio-cultural issues surrounding students who speak a language other than English at home. The focus of the course will be particularly on middle and high school students who come to school with low literacy skills in their native language and English. Through the format of the study group, participants will collaboratively work on a written report containing recommendations for implementing sound educational practices for this group of students.

**PRDV 70215 The Teacher, the Child and the Law**

A law-related education course for teachers, administrators, guidance counselors, nurses, and all support personnel at grade levels K-12. The purpose of the course is to develop an understanding of the law as it affects educators in their daily work with children and to clearly understand the school-court connection. Timely topics of the law and society are developed so that educators may be better prepared to deal with the same issues confronting society at large.

**PRDV 70219 Asian Civilization in the Modern World**

Addresses Asian civilization from both a historical and modern perspective. Participants focus on a geographical overview of the continent along with cultural and historical issues that have shaped life in China, India and Japan today. Images, stereotypes, and western misconceptions and how they can be addressed in teaching are incorporated in each of the sessions.

**PRDV 70314 Computer Applications for Curriculum Development**

Provides participants with a hands-on opportunity to use multimedia authoring programs for curriculum development. Participants plan, design, and produce curriculum-related projects, which can be used in the classroom.

**PRDV 70315 Designing an Effective Writing and Thinking Program for the Classroom**

Focuses on strategies and techniques for motivating, encouraging, and improving student writing and thinking. Participants examine a variety of student writing samples, writing activities, and projects for the classroom to enhance learning in all content areas. Curriculum materials are developed.

**PRDV 70317 Images of Women in American Film: 1960-2000**

Explores how Hollywood has shaped our views of women during the final four decades of the twentieth century. Participants will examine how women and their lives were portrayed in film looking closely at the history, law, psychology, and sociology that shape these roles from 1960 through 2000.

**PRDV 70417 Web-based Applications for Curriculum Innovation**

A focus on skills required to develop unit or lesson plans that integrate student and teacher use of web-based technology in the classroom. Topics include: Web 2.0 tools and web-based applications for collaboration including Google docs, wikis, blogs, podcasts, E-portfolios, and RSS Readers.

**PRDV 71061 Beginning Spanish**

Designed for participants with a prior knowledge of beginning/intermediate Spanish. Knowledge of vocabulary dealing with the school environment, geography, family, adjectives, daily routines, the house, and careers will be helpful. Grammatical concepts that participants should be able to use are the present tense, reflexive verbs, the preterit tense, and beginning elements of the subjunctive.

**PRDV 71361 Introduction to Hispanic Literature and Culture**

Designed to enhance reading, pronunciation, analysis, and proficiency in the Spanish language. Another goal of this course is to introduce the student to the Hispanic culture as viewed through its significant symbols and myths while exploring surrealist and supernatural elements. Through readings and films the participants will acquire a better understanding of other traditions and cultures as well as how people view themselves within their own culture. The course is taught entirely in Spanish.

**PRDV 72216 WebQuests: Learning Adventures on the Internet**

An examination of the WebQuest instructional model, which incorporates both critical thinking and discovery learning in a highly motivational, computer-based format for self-directed research and study. Participants focus on key characteristics of the WebQuest model, explore existing WebQuests, learn how to create WebQuests, learn how to locate vital links to information on all topic areas, and develop their own WebQuests for students in their grade level and content area.

**PRDV 72261 Survey in Hispanic American Literature**

Considers the works of several important writers in Spanish America from the colonial period to the present. Emphasis is on the careful reading of short texts, including essays, poetry, and short fiction. In addition the course considers how historical and political events have influenced literary expression. Participants select and/or adapt text and develop lessons for use in world language, language arts, and TBE reading classes. All of the texts are read in their original Spanish versions.

**PRDV 72414 Literacy and Character Education: A K-5 Integration**

Designed to assist educators teaching character education through the standards of the English Language Arts and Health Frameworks. Participants will discuss and write about selected pieces of adult and children's literature where characters are making important decisions. Teachers will learn to select literature with themes that provoke thinking and provide insight into universal human emotions and dilemmas. They will also learn to teach specific skills and strategies to ensure that students are able to interpret the meaning of literary works by using critical lenses and analytical techniques.

**PRDV 72424 Comics: 21st Century Literature in the Classroom**

Designed as a step-by-step approach for integrating comics into the classroom. From yesteryear's lowly comic strip to recent Pulitzer Prize winners, the medium has risen to a new level of scope and craft, worthy of use in the classroom. Comics' multiple elements of image, text, and panel design require complex decoding to discover narrative. Participants examine a variety of comics and graphic novels suitable for supporting cross-curricular instruction – including biography, fiction, and non-fiction titles in all content areas.

**PRDV 72515 Instructional Use of Technology in the Social Studies Classroom**

Considers practical and proven ways to integrate technology into the Social Studies curriculum and increase student performance. Participants reflect on their own teaching goals and examine ways in which the computer can help them reach these goals. Teachers participate in classroom activities that introduce several different ways to integrate the computer and the Internet into their daily teaching. Tools and techniques that help put the Internet and its resources to use in the classroom are also explored.

**PRDV 73014 Understanding Our Students and Community**

Examines community resources that deal with the problems confronting young adults. Teachers will visit community centers and agencies to discuss such issues as: criminal justice, probation, substance abuse, communicable diseases, and domestic violence. Participants consider the impact of the community, its neighborhoods, and local service organizations on the education of pupils.

**PRDV 73015 Effective Skills Centers to Supplement Literacy Learning**

Addresses ways educators to prepare interactive skills curricula that give children extensive practice in literacy instruction for skill reinforcement. Participants also learn management techniques to develop self-directed learners. This multi-level approach to skills instruction is shared through teacher-designed skills centers. Participants are required to develop components for skills learning.

**PRDV 73016 Science of Exercise**

Designed to provide participants with an understanding of a safe and effective exercise program. Topics will include muscular structure and conditioning, cardiovascular fitness regimens, nutrition and body composition, performance enhancing supplements and cardio pulmonary resuscitation (CPR).

**PRDV 73114 Lifelong Issues in Student Health**

Designed to provide participants with information regarding the health status of the youth of Massachusetts. Using the human development approach, this course gives teachers a tool to study the history and development of attitudes regarding cigarettes, alcohol, drugs and sexuality of the state's youth. Teachers use this information to develop integrated health and common core lessons in their classrooms in line with the Massachusetts Health Frameworks.

**PRDV 73116 Strategies for Implementing the Foreign Language Framework**

A study of the Massachusetts Foreign Language Framework designed for middle and high school classroom teachers with particular focus on communication, culture and connections as primary goals for language instruction. Participants examine the use of technology related classroom activities to inform instruction and assess student performance.

**PRDV 73215 Violence in Society**

Explores the impact of violence on schools in today's society. Domestic violence, teenage dating violence, and sexual harassment are discussed. The Massachusetts Juvenile Offender Law is considered as well as the role of various social agencies such as the Department of Probation and the Department of Youth Services.

**PRDV 73315 The Interactive Reading and Mathematics Curriculum**

Demonstrates how to involve children in everyday reading and mathematics activities. Strategies for making literacy connections to reading and mathematics are shared through children's work, teacher designed materials, interactive classroom centers, and techniques that involve student feedback. Teachers are required to develop their own curriculum materials.

**PRDV 73316 Musicianship for Musicians**

Combines performance, peer coaching, period performance practices and theoretical analysis for music educators. The focus of the course is to improve solo musicianship as a precursor to improving students' musicianship.

**PRDV 73415 Theory and Practice of Accelerated Learning**

Considers the basic elements of the Accelerated Learning approach. The course engages the learner using a multisensory, integrative approach that draws upon the theory of multiple intelligences, learning styles, cooperative learning, kinesiology, music and movement, storytelling, art, drama, and poetry. Thematic material connects the elements from one discipline to another. Learners tap into their own creative and thinking processes. Examples of students' and teachers' work are presented that demonstrate the range of possibilities and results when learners are taught using Accelerated Learning.

**PRDV 73416 The Creative Process in the Classroom**

Explores the creative process as a mirror of the teaching-learning process. Structured improvisations in movement, sound, sculpting, brushwork, storytelling, and writing are used to sharpen skills as participants and observers.

**PRDV 73615 Multi-Sensory Learning and Teaching**

Designed to engage learners in a multi-sensory, integrated approach, which is grounded in the work of researchers and practitioners. It incorporates learning styles, multiple intelligences, cooperative learning, kinesiology, movement, music, poetry, art, drama, mime, mathematics, science, social studies, and language arts into a unified whole. Learners explore their own intelligences and apply their knowledge of multiple intelligences to their classroom practice.

**PRDV 73715 Multimedia and the Curriculum**

Designed to enable teachers to incorporate multimedia technologies such as digital cameras, video, and audio equipment into the curriculum. Assessment and effective management of a multimedia classroom is a major part of the course.

**PRDV 73814 Community Service Learning**

Uses an instructional approach that integrates meaningful service to one's school or community with group problem solving, critical thinking, reflection, academic competencies, personal growth, and civic responsibility. Teachers and students identify a community or school need. Students learn academic skills and content as they study ways to lessen the need within the community. Participants perform community service and engage in structured reflective thinking in order to learn from their service experience. Extensive class discussion, readings, and journal writings are required.

**PRDV 73815 Weaving the Internet into Your Curriculum**

Introduces the educational resources available on the Internet. Using classroom curriculum as a foundation, teachers learn about telecommunications using e-mail, listservs, and newsgroups. The use of audio and graphics, creation of web pages, and how to do research on the World Wide Web are also covered.

**PRDV 73821 Expectations for Student Success: Exploring identity, Group Membership and Professional Practice**

Designed to introduce the participants to the issues involved in teaching a multicultural curriculum to multicultural groups in order to improve the achievement of all students. A primary focus of the course addresses issues related to race and ethnicity. Participants explore the current personal, interpersonal, social, and structural meanings of race, ethnicity and culture, as well as the roles of power, oppression, and identity. Furthermore, participants examine the concept of mastery in a differentiated, standards-based environment, and what this means for instruction, assessment, and grading for all students. Central to the course are the concepts of equity, expectations, fairness, and the role of the educator in moving all of our students towards educational opportunity and success.

**PRDV 74021 Understanding Our Black Male Students**

An examination of the challenges that Black males face as they make their journey from childhood to manhood. Themes that are explored include the structure of today's Black family, Black youth and academic achievement, racial identity development, youth violence, the pipeline to prison, racism (including internalized racism), colorism, language, and socioeconomic class. Participants also consider the identity issues of their Black immigrant students. Class members use various lenses to gain understanding of the numerous cultural strengths of their Black male students and discuss strategies for incorporating these into their practice in a culturally relevant manner.

**PRDV 74114 Maximizing Learning Styles in the Classroom**

Explores a variety of tools for determining learning styles. Participants develop strategies for addressing learning styles in the classroom. The course considers brain theory related to learning, specifically Gardner's multiple intelligence theory and Goleman's emotional intelligence.

**PRDV 74116 Teaching Technology/Engineering through Design**

Provides participants with strategies to meet the state's new Technology/Engineering Standards through teaching design and will include topics relevant to mechanical, electrical, industrial, and biomedical engineering. Concepts will include the engineering design process, product design, ergonomics, biomedical devices, and fluid systems. Each lecture topic will be enhanced by hands-on activities, which will give the participants tools that can be directly incorporated into their classroom activities.

**PRDV 74121 21st Century Teaching and Learning**

A comprehensive examination of digital technology and communication tools that can be used to solve information problems in the classroom. Participants wrap 21st Century literacy skills into lesson content using a variety of strategies, plan and assess effective technology teaching methods, incorporated technology into any discipline, and develop key accountability and assessment strategies. Participants also experience how to use technology as a tool to research, organize, evaluate and communicate information as well as develop a fundamental understanding of the ethical/legal issues surrounding the access and use of information.

**PRDV 74215 Using Technology to Enhance Classroom Instruction**

A focus on the proper use of social media in the classroom that encourages students to participate in conversations that demonstrates thinking and learning outside the traditional school day. Participants examine strategies to design and facilitate course materials that give students and teachers an opportunity to create a formal publication containing text and images that can be viewed on a computer, an iPod, an iPad or any portable reading device. Tools in this course will include: iWork Pages, Twitter, and Google Apps.

**PRDV 74216 Bringing the World to Our Children through the Social Studies Framework: A Focus on Islamic History, Culture and Traditions**

Provides an opportunity for teachers to deepen their understanding of Islamic history, culture, and traditions. This course is closely aligned to the current History and Social Science Curriculum Frameworks and provides content as well as methods of presentation that will allow the participants to successfully complete a comprehensive Islamic unit of studies with their students.

**PRDV 74221 Using Children's Literature and Web 2.0 Tools to Promote Global Understanding**

An examination of children's literature and online resources and database that can be used to design units and lesson plans that promote global awareness through grade level curriculum in social studies, science and literature. Participants become familiar with Web 2.0. Multimedia and peripheral tools (such as blogs, wikis, social sites, online information resources, international keypal resources and iLife 08 applications) for creating lessons that enable students to communicate inter0culturally and/or share data with students in other parts of the world.

**PRDV 74284 Peru: History, Politics, and Culture**

This course, taught in seminar format, will expose participants to many facets of Peruvian society, past and present. Students will create their own individual plans of study from a wide variety of sources (essays, historical documents, folklore, poetry, songs, short stories, novels, autobiographical accounts, photographs, recordings, and films). Participants of the course will gain an understanding of this nation and will share strategies for teaching about it with colleagues from various disciplines.

**PRDV 74315 Strategies to Teach Social Competency Skills to Gr. K-5**

Emphasizes using the new grade level curriculum to build classroom community, enhance student self-esteem, and improve social problem solving skills in children. This is a Social Competency Program course.

**PRDV 74317 Images of Women in American Film: 1920 – 1950**

Explores how Hollywood shaped our views of women during the first few decades of film- 1920 through 1950. Participants will examine how women and their lives were portrayed in film looking closely at the history, law, psychology, and sociology that shaped the roles during these decades.

**PRDV 74319 21st Century Literacy Skills for Educators**

Focuses on the use technology as a tool to research, organize, evaluate and communicate information as well as develop a fundamental understanding of the ethical/legal issues surrounding the access and use of information. Participants examine strategies for student success in today's information-driven academic environment where students need to

know how to find, use, manage, evaluate and convey information efficiently and effectively in preparation for post-secondary education and/or jobs.

**PRDV 74415 Multifaceted Reading Strategies for At-Risk Learners**

Focuses on developing effective strategies and techniques for motivating, encouraging, and improving student's reading abilities. Designed specifically for teachers in grades K-3, Special Education Teachers, and Title I/Remedial Reading Teachers.

**PRDV 74416 Indian Culture, Society and Art**

Presents an overview of Indian culture, society and art. Topics include religion, philosophy, music, art and dance, and cuisine.

**PRDV 74417 The Effects of Childhood Disorders on Personality Development**

Enables participants to understand and assess the impact of several developmental disorders on the emerging personality of the child and on adolescent development. Participants will review theories of personality development of five current syndromes that affect personality development. Participants will learn how to differentiate psychopathology from similarly appearing behavior manifestations that are concomitants of developmental disorders and to develop appropriate treatment orientations.

**PRDV 74516 Latin America on Film**

Introduces teachers to contemporary Latin America through the viewing and discussion of films from and/or about Latin America in the twentieth century. Applications of these films to the curriculum are considered. Participants develop an interdisciplinary unit of study based on one or more films for their literature, world language or social studies classes.

**PRDV 74615 Teaching about the Prehistoric Age**

Examines key parts of our prehistoric legacy through artifacts, latest research, readings and documentary film. Participants study the dawn of human time to the development of agriculture (Neolithic Revolution) and coursework is keyed into Massachusetts History and Social Sciences Frameworks. This course is designed to engage students in the content through their own research and is a model for classroom application.

**PRDV 74616 Practical Solutions for Dealing with School Problems**

Offers useful suggestions, practical methods, and productive practices for dealing with the most common discipline problems affecting classrooms.

**PRDV 74621 Utilizing Interactive Notebooks in the Classroom**

An examination of interactive notebooks as a cross-curriculum teaching strategy in the classroom. Participants focus on the use of interactive notebooks as a creative method to support diverse learning styles in the classroom while giving students an opportunity to independently self-assess their understanding. The primary topics consider how to design, integrate and evaluate interactive notebooks and tie the content to the MA Curriculum Frameworks.

**PRDV 74684 Literature Circles and Response**

The course considers Rosenblatt's theory of reading response as it is applied to classroom practice. The course also models various modes of writing in response to literature and considers classroom management strategies with two or more literature circles. "Test sets," thematic books across the curriculum and alternative assessment strategies for evaluating reading responses are also considered.

**PRDV 74715 Preparing Mentor Teachers**

A course for prospective mentors. The following topics are considered: adult development, reflective practice, cognitive coaching, curriculum and instructional practice, peer observation, and classroom management. Activities include ongoing consultation with mentors and supervisors, mentors and mentees, and peer observations and consultations.

**PRDV 74716 Behavior Management Strategies in the Classroom**

Considers the implementation of consistent productive discipline. Participants are given guidelines for developing appropriate classroom modifications, individual and group behavior plans, home-school interventions, and teaching materials.

**PRDV 74717 Teaching Science through the Inquiry Process**

Focuses on inquiry-based learning and scientific discourse. Participants will examine inquiry as a science teaching method, observe the processes involved in inquiry-based learning and teaching, and explore how to make science more accessible to students.

**PRDV 74721 Quantitative Reasoning for Middle and High School Educators**

An examination of college expectations for entering students in the area of mathematics. This course is designed for middle and high school mathematics teachers and focuses on the principles of quantitative reasoning (QR) as they apply to math, logic, and statistics in classroom curriculum. The participants examine assessment instruments in mathematics and quantitative reasoning (QR) used by colleges; learn the parameters of QR thinking; and design ways to implement this knowledge and understanding into existing or newly developed pre-college courses.

**PRDV 74814 Integrating Technology K-8**

Provides elementary and middle school teachers and specialists with an intensive, hands-on experience with high quality instructional/information technology in support of Curriculum Frameworks and relevant national standards. Activities are project-oriented, with periods for discussion and reflection. The course is designed to give all participants, regardless of initial technical skill level, the foundation necessary to develop curriculum that integrate technology in meaningful ways in support of Curriculum Frameworks.

**PRDV 74815 Integrating French and Spanish Art into the Curriculum**

Provides teachers of all grade levels with the tools to incorporate art and its various implications into the curriculum in accordance with the Curriculum Frameworks for various areas in strands that refer to interdisciplinary connections. Participants will become familiar with a variety of French and Spanish artists, their work, and the eras in which they lived and will be prepared to create a unit, project or activity that directly addresses the learning needs of the target group.

**PRDV 74816 Integrating Reading and Writing Strategies**

Designed to demonstrate processes of development of curriculum where reading and writing are extensions of each other. Literature samples, children's writing, learning center activities and writing environments are shared. Participants develop appropriate curriculum for their classrooms.

**PRDV 74914 Integrating Technology Gr. 6-12**

Provides middle and high school teachers and specialists with an intensive, hands-on experience with high quality instructional/information technology in support of Curriculum Frameworks and relevant national standards. Activities are project-oriented, with periods for discussion and reflection. The course is designed to give all participants, regardless of initial technical skill level, the foundation necessary to develop curriculum that integrates technology in a meaningful way in support of Curriculum Frameworks.

**PRDV 74915 Strategies to Manage Student Discipline and Violence in K-12 Schools**

Addresses a variety of classroom management approaches to assist in dealing with discipline problems and violence in today's schools. Participants will focus on the causes of discipline problems in school and explore ways teachers can address these challenges by developing useful strategies and interventions.

**PRDV 74916 Implementing the Massachusetts Curriculum Frameworks for Science and Technology**

Reviews the Massachusetts Curriculum Frameworks for Science and Technology. Participants access existing standards-based curriculum materials and investigate the science content, pedagogy, methodology, manipulatives, and assessment tools contained within the materials. Participants discuss effectiveness of materials and assessment tools and how to refine and reintroduce them to classroom trials. Interdisciplinary connections utilizing the frameworks are investigated. Teacher's guides incorporating the interdisciplinary materials are developed.

**PRDV 74921 Applied Behavior Analysis Institute**

An introduction to basic concepts and principles of behavior analysis as they relate to children and adolescents, with an emphasis on students with Autism Spectrum Disorders and related developmental disabilities. Students become knowledgeable about evidence-based interventions, based on basic principles of behavior, for intervening on behalf of children and adolescents in educational settings. Topics include assessment, reinforcement procedures to increase behavior, punishment and non-punishment procedures to decrease behavior, data collection systems, direct instruction and discrete trial teaching, and teaching social skills. Students have the opportunity to practice developing their own behavior management programs throughout various applied activities throughout the course.

**PRDV 75014 Strengthening Multicultural Perspectives in the Classroom**

Provides educators with an in-depth understanding of the following concepts and how they relate to education: multiculturalism, diversity, racism, race, ethnicity, stereotype, privilege, prejudice, pluralism, discrimination, ethnocentrism, and cultural identity. Educators will have the opportunity to characterize their own cultural identity and discover how it impacts interactions with people from other ethnic groups, focusing on how cultural background influences perceptions. The course will require educators to become familiar with current literature on multicultural education.

**PRDV 75015 Computer Technologies and Curriculum Development**

Explores in depth the use of new technologies in developing curriculum. Consideration is given to integrated curriculum development, focusing on interdisciplinary approaches, which go beyond the usual classroom approaches. A secondary objective is to increase skill in using the computer as a teaching tool.

**PRDV 75016 Web Research and Authoring for Educators**

Focuses on using the computer and the Internet as a research tool and developing web pages to enhance the classroom curriculum. The features of several search engines are considered and criteria for evaluating web sites are established. Participants create curriculum web pages that reflect their classroom practice and the Massachusetts Curriculum Frameworks.

**PRDV 75017 Including Special Needs Students in the Classroom**

Designed to assist classroom teachers in recognizing typical and atypical development, to assist teachers in assessing deviance levels between handicapped and non-handicapped students, and to strategize on the most effective means of ameliorating differences. Theoretical constructs, handicapping conditions, and associated learning problems are examined. The most common approaches to both formal and informal assessments and to methodological approaches for reducing the gap between abilities and achievement through inclusive participation in the least restrictive instructional setting are also examined.

**PRDV 75115 Web Site Design and Management for the Educator**

Focuses on web page design and management primarily for the educator. Participants will learn skills and fundamentals of building a web site using Microsoft FrontPage 98 and 2000. This course will provide an overview of HTML programming and web page imaging which will help you create and configure your first web site. Research on educational strategies to best utilize your web site as an educational resource with students, parents, administrators, and other educators will be explored.

**PRDV 75116 Technology Professional Development Institute**

Designed for educators to engage in technology integration and innovation within their classroom. Educators apply fundamental skills to use basic applications for personal productivity and class presentations in addition to learning technology building blocks to explore hardware, software applications and Internet features.

**PRDV 75119 Motor Foundations for Function in the Classroom**

Focuses on the motor development of the young child and strategies and accommodations for students with functional performance problems in the classroom. Main topics include the understanding of developmental motor issues and their impact on student's function in the classroom, the identification of major motor performance components and neuromuscular skeletal structures in educationally relevant function, and the use of referrals to specialists as indicated.

**PRDV 75215 Children's Literature in the Elementary Classroom**

Includes the following: exploring guidelines for evaluating children's literature; understanding and selecting literature that recognizes the different developmental needs of elementary school children; examining the changing world of children's books; helping children make literature connections to their own lives; developing a literature reading program for students; and studying the works of selected authors and illustrators.

**PRDV 75219 Assessing Learning in Physical Education K-8**

Examines various assessment techniques in measuring learning physical education. Participants develop teacher, peer, and self-assessments based on the National Standards (NASPE) and the MA Frameworks. Assessment practices utilized by Teachers of the Year from various AAHPERD Conferences will be reviewed (Best Teaching Practices). Participants learn how to streamline the assessment process, offer meaningful assessments to their student population and assess large groups. This will be an active, hands-on experience.

**PRDV 75316 Portuguese for Teachers**

Develops a reading knowledge and conversational fluency in Portuguese. Includes linguistic history, the social and political context of the language, and an introduction to important Brazilian writers, including Machado Assis, Eca de Queiroz, Jorge Amado, and Clarice Lispector. Instruction is complemented by Brazilian films and visits to local Brazilian establishments for linguistic practice and cultural immersion.

**PRDV 75317 Inclusion: Theories, Planning and Practice**

Examines the most effective manner for the integration of disabled learners into the Least Restrictive Learning Environment as mandated by both Federal and State laws. Participants will explore philosophical principles, legal mandates, instructional models in current favor, as well as instructional strategies designed to benefit all students in their cognitive, emotional, psychomotor and social development.

**PRDV 75318 Social and Emotional Learning**

Examines the relationship between academic success and healthy social and emotional development for middle school students. Participants learn to teach social and emotional learning (SEL) skills including perspective taking, conflict management, self-focusing and self-motivation and revise or create lessons that infuse SEL skills into the curriculum.

**PRDV 75319 Teaching Algebra, Geometry, and Data Analysis to Gifted and Talented Students**

Designed to prepare participants to facilitate mathematical experiences for elementary children with advanced learning in mathematics. Teaching strategies and techniques modeled and discussed are consistent with the National Council of Teachers of Mathematics Principles and Standards for School Mathematics (2000) and the Commonwealth of Massachusetts Mathematics Curriculum Framework (2000). Approaches to presenting the topics include visual media, use of concrete materials, hands-on workshops, individualized projects and class discussion including online discussions and review of materials.

**PRDV 75416 Journal Preparation for the Classroom**

Combines the disciplines of language and visual arts. Participants produce their own bound journals working within the Writing Process and drawing upon connections to portfolios. Participants are expected to implement this knowledge into immediate classroom use.

**PRDV 75418 Integrating Natural History and Technology**

Focuses on the integration of technology with the study of native birds, mammals, reptiles and amphibians, and invertebrates using a variety of software applications and tools. Participants use fieldwork experiences to develop materials for the classroom.

**PRDV 75419 Infusing Global Perspectives into the K-12 Curriculum**

Examines the goals of global education and approaches to integrate global themes into K-12 curriculum. Participants critique various instructional strategies, review examples from other states and analyze multiple resources available for the classroom. Using the MA Curriculum Frameworks for their grade level, participants find/create opportunities for infusing globally inclusive examples, resources, lessons and teaching strategies into their curriculum.

**PRDV 75514 Computer Multimedia for Your Classroom**

Provides an opportunity for teachers to enhance their computer productivity using current multimedia software. Participants use a variety of peripherals including a scanner, video in/out and screen capture. Using software they have learned, participants create multimedia projects that relate to their classroom curriculum.

**PRDV 75517 Universal Design for Learning and Assistive Technology for the Educator**

Examines 'Universal Design for Learning' principles and provides practical, hands-on experience using software tools and digital media for learning support. Participants will explore how these tools can be incorporated into their classroom practice to accommodate the individual differences within general education learning environments. Low, middle, and high level incident student profiles will be addressed.

**PRDV 75518 Writing a Function Driven K-12 World Foreign Language Curriculum**

Designed as the second phase of a yearlong standards based writing program that includes ongoing curriculum development and assessment. Participants collaborate with colleagues to improve students' writing through a variety of genres with particular attention to the MA English/Language Arts Frameworks composition strand.

**PRDV 75616 Integrating Technology Tools for Curriculum Innovation**

Presents the knowledge and skills required to develop unit or lesson plans that integrate student use of technology in the classroom. Topics covered include: Internet-Search and Link, Teacher/Student Homepage, Desktop Publishing, Classroom Software Toolkit, AVID Cinema, and Digital Imaging.

**PRDV 75714 Integrating Music into Your Curricular Area - Part I**

Explores the elements of music, rhythm, melody, form, and dynamics. The goals of the course are to make the educator feel more comfortable making musical responses through a variety of music and movement activities, as well as providing specific lessons that permit the incorporation of music into course content areas.

**PRDV 75715 Developing a Positive Culture in Today's Schools**

An examination of the importance of developing and shaping a personal philosophy of education and administration, and applying this to the problems and issues facing today's school community. Qualities of effective administrators are examined and discussed.

**PRDV 75717 Integrating Science with Mathematics, Literacy and the Arts**

Provides strategies for an inquiry-based science, technology, and engineering curriculum for teachers and administrators in grade K-8 focusing on content in the areas of mathematics, literacy, and the arts. Participants explore critical thinking and ways to teach across the disciplines using the resources in each of the regions. All activities are linked to the

Massachusetts Curriculum Frameworks and preparation for the MCAS exams. Participants will attend class sessions in one region for the duration of the institute.

**PRDV 75814 Integrating Music into Your Curricular Area - Part II**

A continuation of Integrating Music into Your Curriculum - Part I. Participants explore more elements of music and how they can infuse curriculum with excitement. Students gain more confidence in their musical abilities so they can aid their students in learning, understanding and achievement.

**PRDV 75815 Academic Strategies for Developing Social Skills**

Designed to assist participants in acquiring the attitudes, knowledge, and skills that contribute to effective learning in school and across one's life span. The relationship between personal qualities, education, and the world of work are investigated.

**PRDV 75915 Literacy Development for Students**

Examines current theory and research on literacy learning using teaching strategies that help children read with high levels of literal and inferential meaning. Participants focus on ways to structure their instruction to create an environment that encourages analytical thinking and supports the writing process.

**PRDV 75917 Understanding Autism Spectrum Disorders**

Focuses on current knowledge about people with autistic spectrum disorders (including Asperger's Syndrome) and how to address the needs of individuals so labeled within a public school system in accordance with the law and best practices. Issues discussed will include the important role of biology in this disability category, the role of reforms in general education, the need to redefine special education across the spectrum, and other essential supports.

**PRDV 75919 Assessment and Identification of Learning Disabilities**

Focuses on the process of evaluation, identification and treatment of students with learning disabilities. Carroll-Horn-Cattell (CHC) Theory is outlined as the guiding theoretical framework for the assessment process. Participants review research between learning disabilities and intellectual abilities, and are exposed to a variety of case studies. Achievement tests, test scoring, report writing and team meeting presentation are summarized.

**PRDV 75921 Teachers on the Estuary**

Focuses on the Teachers on the Estuary (TOTE) program, a research and field-based teacher training initiative of the National Estuarine Research Reserve System, part of the National Oceanic and Atmospheric Administration (NOAA). The goal of TOTE is to improve teacher' and students' understanding of the environment using local examples and to provide resources and experience to support the incorporation of estuary and watershed topics into classroom teaching. The course is also designed to promote stewardship of watersheds and estuaries. Participants investigate information, research, and classroom activities about watersheds, estuaries, and coastal systems. The course incorporates investigations in the field and using on-line data. Course content and activities will be aligned with Massachusetts Science and Math frameworks.

**PRDV 76015 Spanish for School Administrators, Teachers and Support Staff**

Designed to help school personnel carry out school procedures on a pre-interpret level. The course also considers cross-cultural issues pertinent to relationships between Hispanics and non-Hispanics and other cross-cultural issues affecting the Hispanic student's performance and behavior.

**PRDV 76114 Making Meaningful Math Connections Between Pre-school and Kindergarten**

An introduction to a broad spectrum of activities, ideas, and strategies to further develop an understanding of the developmental continuum that exists in math between grades Pre-K and Kindergarten. Participants develop teacher-designed supporting math lessons and practical classroom exercises that connect with the New Common Core and the Think Math curriculum and include integrated whole-group, small-group, and center-based activities.

**PRDV 76115 Enhancing English Language Learning in the Elementary Classroom**

Provides training and initial guidance to Massachusetts' mainstream elementary and middle school (K-8) teachers who have English language learners (ELLs) in their classrooms. The course interweaves professional development with the state's school improvement and professional development plans and enables participants to make necessary adaptations in curriculum, learning outcomes, and assessment in order to shelter content instruction for elementary English language learners.

**PRDV 76116 Meeting the Needs of the Gifted in Your Classroom**

Focuses on the special needs of the gifted both in and beyond the classroom. Special topics such as the gifted at risk, learning styles, and multiple intelligences are covered. Participants learn and have a chance to practice a variety of teaching techniques such as curriculum compacting, tiered assignments, questioning techniques, independent study, and creativity training.

**PRDV 76117 Adolescent Literacy in the Content Areas**

Provides a job-embedded, long-term, professional development experience for secondary school teachers of science, math, social studies, and English language arts to provide the tools to integrate effective adolescent literacy instruction into their content area teaching. It is built on a collaborative inquiry model that will draw knowledge, experience, and insights from the facilitator, online content-area coaches, and course participants. The activities draw from and have application to practical classroom teaching and learning.

**PRDV 76118 Special Education Administrator Leadership Academy: Systems Change for Improved Results**

Designed for special education administrators in MA with emphasis on special education laws and regulations, fiscal/administration issues, data collection, personnel recruitment and retention, staff development and program models and design. Participants implement a local project that identifies an organizational problem or systems change issue. This course is sponsored by MA Department of ESE.

**PRDV 76119 Integrating Cultural Awareness into the Foreign Language Curriculum**

Explores the role of culture in teaching foreign languages using Cultures and Comparisons Strands of the Foreign Language Frameworks. Participants focus on strategies for integrating cultural studies into their curriculum including cultural awareness, intercultural sensitivity, and the mechanics of cultural comparisons.

### **PRDV 76215 Effective Skills Centers to Supplement Literacy Learning**

Prepares K-8 teachers to develop interactive skills curricula that give children extensive practice in reading. Management techniques to develop self-directed learners are considered. This multi-level approach to skills instruction will be shared through teacher-designed skills centers. Participants will be required to develop center components for skills learning.

### **PRDV 76315 Dimensions of Learning**

Introduces participants to a learning-centered framework for instructional planning that translates the latest research on cognition and learning into practical classroom strategies. Participants explore the five kinds of thinking known to be associated with learning, including demonstrating positive attitudes and perceptions about learning, acquiring and integrating knowledge, extending and refining knowledge, using knowledge meaningfully, and applying productive habits of mind. Hands-on experience with activities related to each Dimension will be combined with opportunities for planning and delivering a curriculum that challenges students to think and integrates the Dimensions of Learning framework.

### **PRDV 76317 Teaching Algebra Using the Graphing Calculator**

Focuses on the use of graphing calculator technology to enrich instruction and extend student comprehension. Essential algebra topics such as rational numbers, linear data, linear regressions and quadratic equations are examined.

### **PRDV 76319 Portuguese for Teachers - Part II**

An intermediate course in Portuguese language for educators including speaking, listening, reading and writing skills. Participants also explore Brazilian culture using a variety of sources including literature, internet, movies and music.

### **PRDV 76414 An Introduction to Wetland Environments**

An introduction to the concept of wetlands, what they are, and how they can be identified. Classroom activities related to wetland environments, aquaria, and terraria are developed. All activities are focused on the Massachusetts Science and Technology Frameworks.

### **PRDV 76415 Dimensions of Learning in Action**

Extends the concepts introduced in Dimensions in Learning. Students examine the role of performance assessment in classrooms using Dimensions of Learning (DoL) concepts and tools. The course emphasizes the reasoning processes as critical to the development of competent learners. A considerable portion of the course is devoted to writing instructional units and building quality assessments for use in the classroom.

### **PRDV 76416 Enhancing Teaching Skills**

Designed to help teachers and educational leaders view teaching as a skillful performance. Teaching skills are identified from a knowledge base of teaching and studied through the use of videotape exemplars. For teachers and administrators, there are many practical insights into teaching practices as well as techniques for guiding feedback, coaching, and conducting classroom evaluations. In addition to mastering a knowledge base of teaching, students are expected to acquire skills in observing, scripting, labeling, interpreting, and coaching.

**PRDV 76417 Teaching Calculus Using the TI-83, TI-84, and TI-89**

Focuses on the use of the TI-83, TI-84, and the TI-89 graphing calculator to enhance the teaching and learning of calculus. Essential calculus topics such as 'Interpretations and Properties of Definite Integrals' are correlated to the Advance Placement AB course standards.

**PRDV 76515 Introduction to Assistive Technology**

Service delivery providers are increasingly called upon to incorporate assistive microcomputer technology into their classrooms and into their students' individualized Education Plans. This course provides real world training, resources and skill development in using the latest software, adaptive equipment and best practices. Participants make decisions with supportive guidance resulting in practical solutions that can be readily implemented for inclusive classrooms. Topics to be covered include: Technology for Cognitive and Language Development; Communication: Devices and Curriculum Integration; Electronic Access to Print; Adaptive Devices, Seating and Positioning; Technology Integration, Curriculum Access and Classroom Modification.

**PRDV 76516 Handwriting: Enrichment and Implementation**

Addresses the significant issues surrounding handwriting as an art form and a diagnostic tool. The history of handwriting and the various methods, mind sets and materials utilized in evaluating one's handwriting are explored. Research is examined and critical and creative approaches to graphic problems are explored.

**PRDV 76517 Integrating Blackboard Online Tools in Gr. 6-12**

Addresses the expanding use of online tools in grades 6-12 classrooms and schools. This course includes an overview of online teaching approaches and online technology tools associated with the Blackboard learning management system. Although participants will learn how to develop a course site using the Instructor's Control Panel, the primary focus of this course is to enable teachers to adapt emerging online pedagogies to more traditional classroom settings in elementary and secondary schools.

**PRDV 76615 Today's Classrooms: Assessment and Intervention Strategies**

Introduces common behaviors found in children at risk and offers a conceptual framework and repertoire of strategies to deal with such behaviors. Participants learn developmental issues of children at risk, examine assessment as an intervention strategy, analyze issues of temperament and behavior management, and explore an integrative, therapeutic approach to treatment.

**PRDV 76616 Using the Computer as an Educational Tool**

A curriculum project based course in which educators learn how to make presentations using graphics, sound and video. The Internet is explored for educational resources and curriculum research.

**PRDV 76618 Beyond the Writing Process: Imagination as Motivation**

Examines strategies and their underlying rationale for motivating and enhancing imagination in the language arts curriculum. The course establishes writing as a motivation for success and ongoing dialogue as the cornerstone of the imagination.

**PRDV 76619 Cross-Cultural Perspectives of Childhood and Adolescence in Film**

Focuses on a deeper and broader understanding of the meanings and representations of childhood, through the careful analysis of various portrayals of child development in film. Participants analyze how a child interfaces with their culture or subculture, and how this empowers or limits them. Participants learn how to access the issues presented in the films for practical inclusion in their daily interactions with their students and capitalize on their area of expertise to build a repertoire of lesson plans that will augment and amplify their curricula.

**PRDV 76622 Working with Words: Vocabulary Instruction that Boosts Achievement, PreK-6**

An exploration of the development of vocabulary learning and its impact on academic achievement. Participants focus on developing research-based strategies to support word consciousness, word attack skills, and reading comprehension with PreK-6 students. Topics include orthographic knowledge, morphemic analysis, content area vocabulary, utilizing read-aloud effectively, and supporting at-risk populations (ELL, struggling readers, and special education students).

**PRDV 76624 Common Core Standards in Reading and Writing: Theory and Practice**

An examination of the new K-12 Reading and Writing Common Core State Standards, and how to successfully incorporate the grade level standards into mastery learning units. This course explores learner-centered, engaging activities appropriate to the student with clear teaching objectives, differentiated learning, and teaching for understanding. Participants come away with their own teaching units and new learning strategies. For teachers of all grades, all subjects especially recommended for grades 3-12 teachers of English language arts, social studies, science and Special Education.

**PRDV 76715 Cooperative Learning**

Focuses on the elements of cooperative learning. Students learn the various structures that are appropriate for students, the research within the field and the rationale for using cooperative learning. Participants will apply the cooperative structures to curriculum content.

**PRDV 76716 Action, Reaction, Interaction**

Explores ways to enhance an individual's communication and problem-solving techniques by developing awareness and understanding of self and others. Constructive, productive, and innovative resources are provided to minimize conflict, encourage cooperation, and enhance the personal and professional climate of the classroom.

**PRDV 76717 Teaching Biology with a Complex Systems Lens**

An examination of introductory high school biology curriculum using complex systems topics and activities as a connective theme throughout the school year. The main emphasis is on complexity theory as it applies to biology specifically and other domains more generally. Participants use the WebLogo programming environment and simulations built in that environment to experience activities on biological topics including enzymatic reactions, sugar transport in digestion, protein synthesis, ecology and evolution. In addition, participants are introduced to additional complex systems themed activities that relate to other biology topics throughout a typical introductory curriculum.

**PRDV 76718 One World, Many Worlds: Searching for Life on Earth and Other Planets**

Designed to increase teachers' understanding of key topics in the field of astrobiology and to provide a practical context in which science can be taught with an interdisciplinary approach. The course content focuses on the question: "Does

life exist elsewhere in the universe”. Participants work together to identify the science content learning standards in the MA Science and Technology/Engineering Curriculum Frameworks that they will be able to address with the proposed astrobiology activities in the classroom.

#### **PRDV 76719 Action Research in the Classroom**

Focuses on the development of a clear understanding of the many facets and purposes of assessment and how to use assessment for the purpose of gathering evidence of student learning. Since this course is based on action research, participants will create appropriate written assessment tasks and rubrics for specific concepts they will be teaching in their classrooms. These tasks are developed as part of a “backwards design” process which establishes the understanding of a concept first, identifies suitable assessment (s) to be used, and ascertains the appropriate activities and instructional practice to be used by the teacher.

#### **PRDV 76724 Writing Workshop Combining Lucy Calkins Structure with Common Core**

Designed for K-2 teachers interested in conducting a productive writing workshop in their classrooms. Using Lucy Calkins’ book Units of Study for Primary Writing: A yearlong Curriculum, the course provides a comprehensive overview of the processes and structures of the primary writing workshop units. The focus is on the series’ units in conjunction with the new Core Curriculum Standards and the FPS Draft Writing Units.

#### **PRDV 76815 Assistive Technology Assessment**

Explores technology assessment strategies and computer devices that assist learners with intensive special needs as they perform functional tasks and achieve increased independence.

#### **PRDV 76818 Using Technology to Enhance Mathematics Instruction**

Focuses on how technology can be used as a tool to support student and teacher inquiry, problem solving, and higher order thinking skills in the area of middle school mathematics. Using the design principles and strategies for the Good Models of Teaching with Technology (GMOTT), this course guides participants through the design of curriculum units that can be used in their classroom, school or district. Creating the unit will strengthen teachers’ understanding of how to design, use, and promote effective models of technology enhanced mathematics instruction.

#### **PRDV 76822 Contemporary Islam and Muslim Communities**

An intensive study of contemporary Islam and Muslim communities in Egypt and Tanzania sponsored by the Center for Middle Eastern Studies at Harvard University and the African Studies Center at Boston University. Participants travel to Egypt and Tanzania after completing a four day pre-travel seminar and then attend two post-travel sessions. The main areas of study are: language, religion, intersection of religion and politics, intersection of religion and culture, education levels and priorities, and family and community life. Using a variety of resources, participants design curriculum for their classroom that address the MA State Curriculum Frameworks.

#### **PRDV 76824 Teaching for the 21st Century - iPad Classroom**

A blended course for classroom teachers, library-media specialists, and instructional technology staff designed to leverage iPads to support student-centered, inquiry-based learning environments. Participants develop a familiarity and then a competency with iPad classroom integration and explore instructional strategies using a wide variety of apps and web tools. In addition, participants develop and review a lesson plan using iPads and prepare to return to their teams, departments, and buildings as teacher-leaders in the thoughtful use of technology in the classroom.

**PRDV 76914 Strategies for Effective Teaching**

Presents strategies to help educators become more effective in the classroom. Participants reflect on their own strengths and weaknesses and investigate ways of interacting with principals, peers, parents, and children in order to enhance the teaching and learning environment. Case studies of school problems and possible solutions are examined.

**PRDV 76915 Preparing Educators to Use Technology**

Introduces educators to a basic understanding of information technology operations including microcomputer concepts and applications. Participants will learn to integrate technology into their classes in instructionally valid ways.

**PRDV 76917 Famous Trials in American History**

Examines the history of the American legal system using the case-study method. Participants will examine the role of law and its practical application as protection for individuals and government power by looking at historically significant trials that have taken place during the past three hundred years. Course topics are linked to the Massachusetts History and Social Science Curriculum Frameworks.

**PRDV 76918 Fostering Geometric Thinking**

Designed for mathematics teachers in grades 6-10 to identify, describe, and foster geometric thinking in their students. This course will be built around a mathematical “habits of mind” framework and use a five-step cyclical process for teaching mathematics and analyzing classroom artifacts and records.

**PRDV 76919 Integrating Plant Study into the Curriculum**

An examination of horticulture principles including botany, plant nutrients cycles and ecology of the garden. Lectures are delivered by experts and class time is available for hands-on activities. Participants develop units of study for use in the classroom.

**PRDV 76923 Using Infographics for Acquisition of 21st Century Literacy Skills**

A focus on the technology of infographics and the practical application for teaching 21st Century literacy skills. Participants examine design techniques including data and image manipulation software required to construct infographics. Using materials appropriate to their grade level, participants also analyze alternative assessment and rubric development using infographics and create a student instructional packet.

**PRDV 77014 Introduction to Brain Learning**

An introduction to brain learning research. Topics to be considered are: how the brain learns, teaching and training, memory and recall, thinking and intelligence, and other concepts related to curriculum delivery in the classroom.

**PRDV 77019 Integrating Moodle into Online Teaching**

An in-depth examination for teachers to the Moodle-based online learning environment. Participants study, discuss and apply online pedagogies designed to improve individual attention, to provide intensive collaborative learning approaches, to provide additional opportunities for teachers to mentor their students, and to provide better opportunities for school-home communication.

**PRDV 77023 Conflict and Reform in 19th Century America**

An examination of how and why the civic ideals of freedom and human rights contracted and expanded in the period from the New Nation through Southern Redemption. Participants focus on the ways different Americans understand and act on these ideals and how debates over freedom and human rights affect national civic life.

**PRDV 77114 Consensus Building in School Related Situations**

Focuses on improving the teacher's ability to deal with difficult situations whether caused by disruptive students, their parents, colleagues with varying agendas, or overly rigid school personnel. Consensus and team building skills are stressed. A weekly log and research paper are required.

**PRDV 77117 Standards-Based Instruction and Assessment in the Classroom**

Focuses on the elements of standards-based instruction and assessment in the classroom. Participants will explore the concept of backwards design in curriculum planning and examine in detail the Massachusetts Mathematics Curriculum Frameworks. Grade specific mathematics units will be developed and implemented by the participants.

**PRDV 77119 Effective Evaluation of Special Education Programs**

Provides Strategies for special education directors and district teams to evaluate their special education programs. Participant gain increased ability to design and conduct evaluations that inform school/district decision makers about their programs, build buy-in for the programs among participants, engage colleagues in collaborative study and learning that focus on programs they undertake to improve student outcomes and document lessons learned.

**PRDV 77121 Inquiry-Based Science: Investigating Water and Energy Concepts in the State Frameworks**

A regional exploration of hands-on, minds-on investigations that address water-related and energy-related standards. While each region focuses on the Massachusetts Frameworks standards which are best illustrated by their local resources, the standards addressing forms of energy and energy transfer, energy transfer within ecosystems (food chains), and the water cycle are generally addressed across the regions. All content is tied to the Massachusetts Curriculum Frameworks for Mathematics, Science and Technology/Engineering for grades K-8. Participants will attend class sessions in one region for the duration of the institute.

**PRDV 77122 Foundations of Reading: An Introduction to Language and Literacy**

An introduction to the components and principles of scientific reading instruction (SBRI) based on scientific reading research (SBRR). This course is appropriate both as a pre-service course for new teachers, and an in-service course for experienced teachers seeking to become more proficient in reading, spelling, and language instruction. The course uses video lecture, individual and small group learning activities, video demonstrations, research summaries, readings, review exercises, and reviews of existing reading curricula to familiarize participants with the following topics: how children learn to read; oral language, vocabulary, and comprehension; phoneme awareness and phonics; reading fluency; and application of concepts to teaching.

**PRDV 77123 Response to Intervention (RTI): Concepts and Applications for Educators**

Designed to provide educators with knowledge to help them understand RTI concepts and learn to apply the concepts to their daily work with students. Participants examine key service delivery components such as systematic student data collection, defined instructional decision-making criteria and application of scientifically based core programs, and

interventions used within a RTI framework to provide continuum of services. Participants focus on research-based and data-based assessment and instructional tools that help them accurately identify student's progress toward performance standards, implement core instruction, and intervention supports.

**PRDV 77124 Connecting to the ELA Common Core, PreK-5**

An exploration of the development, organization, and implementation of the Massachusetts ELA Common Core (March 2011). Participants focus on the implications for school reform and unpack the 10 College and Career Readiness Anchor standards that span grades Pre-K through 5. Participants gain knowledge and understanding of skill development across the grades in the areas of reading (text type and purposes: narrative, argumentative, informational), speaking and listening (comprehension & collaboration, presentation of knowledge and ideas), and language (conventions, knowledge, & vocabulary acquisition). This knowledge is utilized to align curriculum with Common Core objectives and to design lesson plans that align to the ELA Common Core.

**PRDV 77214 Personality Types and Teaching Effectiveness**

Develops strategies to enhance teaching effectiveness through definition and analysis of personality types. The use of enneagrams to identify personality types is considered.

**PRDV 77216 Contemporary Legal Issues for Educators - Part I**

Considers legal issues that impact classroom teachers. Practitioners from the bench, bar, and state agencies discuss such issues as time and learning, teacher evaluation and dismissal, school discipline, SPED laws, sexual harassment, delinquency, child abuse, civil liability, mental health issues, and safe schools.

**PRDV 77219 Teaching the Struggling Reader**

Prepares teachers and reading specialists with a framework for assessing and diagnosing the struggling reader. Participants design appropriate instructional plans that can be delivered in the classroom. The framework includes providing a knowledge base for each component of the reading process: oral language development, phonemic awareness, phonics, fluency, vocabulary, comprehension, and writing.

**PRDV 77222 Museum Education Strategies for Every Classroom**

An examination of the extensive number of museums and historic sites in the Greater Boston and South Shore areas as resources to enhance classroom curriculum connections. Participants explore how to create lessons and a unit plan that integrates field studies into their individual classroom content and grade level which align with the Massachusetts Curriculum Frameworks. A number of museum visits are planned including: the Fuller Museum of Art in Brockton, MA, The Adams National Historic Sites in Quincy, MA, Plymouth Plantation and The Mayflower II in Plymouth, MA, The South Shore Natural Science Center in Norwell, MA, The John F. Kennedy Library and Museum, Boston, MA, The Robbins Museum of Archaeology, Middleboro, MA and the Trailside Museum in Milton, MA.

**PRDV 77314 The Journal: The Uses of Creative Writing to Enhance Curriculum**

An online course that explores the uses of the creative journal in the classroom to complement and enhance the study of any subject area. Various creative writing techniques are explored and several journal-writing exercises are designed which can be applied to individual teacher's subject areas.

**PRDV 77316 Interdisciplinary Approach to the Content Areas**

Focuses on teaching and learning in the content areas with an emphasis on problem solving with the objective to help teachers to develop their students' critical thinking, integrate technology into their classroom, and to investigate local community problems. A variety of computer simulation programs and examples of primary sources (speakers, videos, music, etc.) will be used to set the contextual situations on which students can develop their own understanding of critical issues.

**PRDV 77317 Gay, Lesbian, Bisexual and Transgender Issues in K-12 Education**

Examines strategies to increase the visibility of gay, lesbian, bisexual and transgender people in schools through curriculum, student support services, and collaboration with student and community organizations. Participants examine literature and best practices designed to increase awareness among community members and school personnel.

**PRDV 77319 Teaching Children to Self-Assess: An Action Research Course**

Examines why the research shows that students should learn to self-assess. Participants learn what skills and strategies are necessary to effectively self-assess and how to teach those skills to their students. Since this course is based on action research, participants explore the purpose and uses of criteria and rubrics, choose and teach a specific skill/strategy to be used in the classroom, and teach students how to self-assess using that rubric.

**PRDV 77322 Water: Environmental Science**

An overview of the role of water as a key component of planetary systems, the many ways humans use water and the cumulative effects of human activity on Earth's freshwater supply. Participants examine the link between water and biodiversity and the services that freshwater ecosystems provide, with a particular focus on wetlands. Participants also consider how this finite resource is distributed across the planet, the effect of water quality on human health and conclude with an overview of the key challenges that affect water management on a global scale.

**PRDV 77324 STEM Technologies, Programs, & Resources**

Designed to improve K-12 educator effectiveness in STEM disciplines through the lens of product development education, an interdisciplinary, project-based curriculum model rooted in engineering/design education as well as industry practices. Lectures presented by industry and education experts discuss STEM in industry, and how industry processes and practices (specifically the practices within the product development process) can be brought into the K-12 classroom. Best practices for teaching STEM – as independent subjects and also integrated with other disciplines – are addressed. Special attention is also given to how educators can apply Product Development Education in STEM and other disciplines such as History, ELA, or Visual Arts.

**PRDV 77415 Creating a Multi-Learning Environment in the Classroom**

Presents techniques for creating learning centers in the classroom that meet the learning styles of the students. Participants discuss how to manage a child-centered learning environment where students are allowed to be risk takers. Problem solving and open-ended avenues for student involvement are stressed. Participants are expected to develop curriculum materials for use in their classrooms.

### **PRDV 77417 Tracing the Structure of the Universe**

Focuses on current space science research associated with NASA's HETE (High Energy Transient Explorer) mission. The HETE mission is an international collaboration led by the Center for Space Research at Massachusetts Institute of Technology. Participants will examine key topics of the structure and evolution of the universe as it relates to the Massachusetts DOE science content learning standards in the Technology/Engineering Curriculum Frameworks.

### **PRDV 77418 Teaching Number Sense**

Focuses on the skills needed to teach number sense to elementary school students. Participants explore ways to challenge students to create strategies to solve problems and evaluate mathematical ideas while developing strong computational skills and number sense including the skills of estimation and mental math.

### **PRDV 77422 Interactions in the Sciences: Observe, Investigate, Explain**

A focus on developing and implementing effective inquiry-based science lessons linked to frameworks and classroom content. Participants develop skills for teaching critical thinking and knowledge of processes of inquiry through reading, discussing, and experiencing inquiry-based learning and teaching. Through the completion of inquiry-based activities linked to the Massachusetts Curriculum Frameworks, participants construct knowledge of science content, particularly concepts of processes and interactions that connect life, physical, and earth science. After experiencing a variety of instructional and assessment strategies appropriate for inquiry-based teaching, participants apply their learning by developing their own inquiry-based projects to be used in their respective educational settings.

### **PRDV 77423 Creating Interactivity with Activity Modules in Moodle**

An examination of the advanced dynamics of Moodle course creation. Participants focus on the effective use of activities within Moodle that promote content engagement and stimulate critical thinking skills and group dynamics for maximum participation and enjoyment of learning experiences. Using activities and block modules within the Moodle environment, participants leverage, enhance and expand the power of their existing Moodle environments to provide 21st Century skills for students. The new social networking blocks and Modules of Moodle 2.0 are also highlighted. Participants should have an existing Moodle environment and a basic knowledge of Moodle editing.

### **PRDV 77424 Common Core Math: Adapting Best Practices, Middle School (Gr. 6-8)**

A guide for middle school educators to help manage the transition to the Common Core mathematics curriculum. Participants take an in-depth look at the new Common Core documents versus the existing Massachusetts Curriculum Framework to find commonalities and differences, focusing on the rationale, depth, and complexity of topics presented in the Common Core. Best practice strategies for reaching all learners are examined. All participants leave the course with a collection of innovative ideas aligned with the Common Core and ready for use in their own classrooms.

### **PRDV 77515 Kids, Courts, and the Classroom**

Designed to bring educators of all grades and disciplines into direct contact with our legal system. By visiting different courts (District, Superior, and Probate) and a juvenile facility, the participants develop an awareness of real world problems that impact children. The course will provide a realistic look at our judicial system at work and the effect its efforts have on our educational institutions.

**PRDV 77516 Teaching About World Religions**

Provides educators with content information on the world's major religions, including Christianity, Judaism, Islam, Hinduism, and Buddhism. Content material focuses on the Massachusetts Curriculum Frameworks. Content includes a historical overview, the basic tenets, major sacred texts, and significant leaders of each religion. The course also explores effective teaching strategies for addressing religion sensitively and accurately in the public school classroom.

**PRDV 77517 Creating and Supporting Culturally Relevant Classrooms and Schools**

Examines how race, ethnicity, culture and systemic racism influence students' experiences in school and how it impacts their academic achievements. The course is structured to help teachers design and implement a multicultural approach to teaching that integrates their understanding of personal racial/cultural identity development (RCID), RCID of students, their interactions and the factors that impede academic achievement. These are the skills needed for successful multicultural, cultural relevant and anti-racist curriculum transformation.

**PRDV 77520 Educational Video-on-Demand in the Curriculum**

An exploration of the integration and application of educational video into curriculum using Discovery Education's United streaming video-on-demand resources including full length videos, video clips, lesson plans, online quizzes, online assignment creation, writing prompts, and clip art and images. Participants integrate these applications into AppleWorks, KidPix, TimeLiner, Inspiration, PowerPoint, and Keynote to support classroom teaching.

**PRDV 77521 Understanding Attention Deficit/Hyperactivity Disorder (AD/HD)**

An examination of the origins of AD/HD and the ways this neurological condition impacts individual students and their classroom community. Participants focus on assessment, treatment options and strategies to become skilled at promoting social, emotional, and behavioral adjustments in the classroom that will lead to academic and social success for students diagnosed with AD/HD.

**PRDV 77615 Successful Reading Strategies for Reading Delayed, Disabled, and Language Learning Disabled Students**

Integrates both SGM and phonemic awareness within existing reading problems, including whole language, basal and linguistic. Invited speakers with classroom expertise in the areas of inclusionary laws, computer technology, and attention deficit hyperactivity disorder (ADHD) discuss the effect of these issues on both special and general education programs.

**PRDV 77620 Growing Up Latina**

An examination of growing up Latina in the United States including the themes of the mother/daughter and father/daughter relationship within the Latino-American family, Latino-American identity, Latinas and academic achievement, and Latinas coming of age in the United States. The importance of race, culture, language, socio-economic status, spirituality, traditions, and sexuality in the life of Latinas is included in discussions and examined as core elements of identity. Participants gain an understanding of the numerous cultural strengths of their Latina students and discuss strategies for incorporating these into their practice in a culturally relevant manner.

**PRDV 77623 Teachers as Researchers: Using Practitioner Inquiry to Enhance K-12 Classroom Practice**

Designed to help PreK-12 teachers design and implement their own research to investigate questions that can be used to inform decisions related to their own classroom practices. The course focuses on conceptual frameworks, modes of inquiry, and methodologies that can be used to better understand and improve classroom practices and generate knowledge of teaching and learning district-wide.

**PRDV 77714 Strategies for Developing Social Competency Skills in Elementary Age Children**

Covers theory and current research in the area of social/emotional Learning and training to implement a comprehensive K-5 Social Competency Program (The Open Circle Curriculum). Teachers are required to implement the program two times per week in the classroom throughout the year. They also participate in a peer observation model.

**PRDV 77715 There's Got to be a Better Way: A Practical Approach to Classroom Management**

Provides a forum for the development of classroom management strategies that promote the success of all students, even those at-risk students who struggle with behavioral and emotional issues. Participants will explore the habits of highly responsible students as well as how to address inappropriate behaviors in the classroom.

**PRDV 77716 Integrating Poetry Across the Curriculum**

Designed to help elementary teachers along with media, resource, and reading specialists increase and apply their knowledge of children's poetry to enrich instruction in all areas of the curriculum. The course will include an overview of forms and elements in published poetry, information helpful for MCAS preparation, and methods to improve student poetry writing and understanding.

**PRDV 77718 Climate Change: Global and Local**

Focuses on the forces of climate and climate patterns and their effect on global and local environments. Course topics include matter and energy in the earth's system, earth's sources of energy, weather, climate and the carbon cycle. Participants work with climate scientists, learn about renewable energy, conduct field studies and visit buildings with green and traditional energy sources.

**PRDV 77722 Museum in Your Classroom: Teaching with Art Online**

An examination of the hands-on realities of using online technology to incorporate art into the classroom curriculum. Using MFA Educators Online, teachers focus on principles and practices of online learning and teaching with art. Throughout the year-long course, guest presenters (including educational media developers, area scholars in the field of computer/web-based learning and cognition, and Museum curators, conservators, and educators) bring varied perspectives to the endeavor. Class participants gain real-world experience through applying their new skills and knowledge to mentoring and coaching peers, and trying new techniques in the classroom.

**PRDV 77815 Building a Technology Enriched Curriculum**

Addresses the coherent integration of multiple technologies into the core curriculum subjects. Participants reshape an existing curriculum unit or build a new one to include multimedia presentations. Particular emphasis is placed on aligning the curriculum units with the Massachusetts Curriculum Frameworks.

**PRDV 77817 Reading Strategies for Content Area Teachers**

Examines the process of helping classroom students in Gr. 7-12 construct meaning from informational text. After an overview of the process of strategic reading and metacognition, participants explore active reading, vocabulary development and reading strategies in science, math, and social studies.

**PRDV 77820 Helping Children Become Effective Readers and Writers**

Focuses on reading and writing from the English Language Arts Curriculum frameworks. Participants focus on reading and writing Strategies in the content areas as well as on developing writing prompts for use in the classroom.

**PRDV 77915 Self-Esteem and Character Education for Educators**

Focuses on specific techniques and skills for assessing and improving self-concepts. Participants develop strategies and lesson plans to incorporate these concepts into daily activities with students.

**PRDV 77918 Images of War through Foreign Film**

Focuses on the social, political and historical impact of World War I and World War II on Europe through the study of foreign film. Participants view selected films produced during the past sixty years in Great Britain, Italy, France and Germany and analyze the similar and dissimilar attitudes found within these countries during war time.

**PRDV 77923 Teaching English Language Arts in the 21st Century**

An overview of strategies for teaching English Language Arts (ELA) using methods that relate to 21st Century skills. The course provides an opportunity for educators to collaborate and gain a deeper understanding of the challenges and new technologies adolescents and educators face in the ELA classroom in the 21st Century. Participants examine the ELA Frameworks and focus on how to effectively teach adolescent literature; how to effectively teach adolescent writing; how to incorporate grammatical and vocabulary instruction; and the direction that teaching literature and writing to adolescents will go in the future.

**PRDV 78015 Big Mathematical Ideas**

Expands and updates knowledge of mathematics and methodology for grades K-5 teachers. Topics include: graph interpretation, logical reasoning, measurement, number theory, patterns, statistics, algebra, geometry, probability, and problem solving.

**PRDV 78020 Expanding the Canon: The Native American Voice in the Classroom**

An exploration of the work of Native American writers, singers, and artists in the United States and Canada. The main focus is on craft: the artists' voices, whose work centers on themes such as reservation life, urban Indians, tradition ways, and respect for the natural world. Participants become familiar with the work of outstanding talents including N. Scott Momaday, Linda Hogan, Luci Tapahonso, Joy Harjo, Buffy Sainte-Marie, Sherman Alexie, and others. Participants complete lessons plans, an annotated bibliography, and other related activities to enhance the teaching of this subject.

**PRDV 78022 Using Web 2.0 Tools to Support Middle School Writing**

An experience to provide middle school teachers across the content areas with effective ways to engage students in the writing process using Web 2.0 tools. Participants learn about and experiment with technologies that can be used to facilitate each phase of the writing process (prewriting, writing, revising, editing, publishing, and assessment) and how

these tools support the 6+1 Trait Writing framework. Participants have hands-on practice with creating weblogs, podcasts, wikis, online graphic organizers and rubric tools to support their implementation of the writing process with students in the classroom. In addition, participants learn how to use these tools to differentiate instruction for a variety of student populations.

**PRDV 78025 Partnering with Families: Strengthening the Home/School Connection**

Focuses on the importance of establishing effective home/school partnerships. Participants analyze different models of partnerships and explore obstacles to developing strong partnerships including working with families from diverse backgrounds. Using concrete strategies, participants develop plans to build and maintain effective relationships with parents that help parents and educators feel empowered. The content of this course aligns with The No Child Left Behind Act and the Individuals with Disabilities Education Act.

**PRDV 78123 A Comprehensive Study of Child Abuse and Neglect for the Classroom Teacher**

An exploration of the methods used in the identification of physical, emotional, and sexual abuse and neglect with an emphasis on developing skills for working with children and families. The course examines methods of referral to public and private agencies in Massachusetts that deal with investigation and treatment and reviews current federal, state and local child abuse laws. The course is designed to educate individuals in all aspects of child maltreatment including procedures, documentation, and interpretation of policies.

**PRDV 78124 Teaching American History Using Digital Media**

Designed for high school educators with a focus on eleven topical units spanning 250 years of American history. Rather than a comprehensive survey of American history, this course is an opportunity for teachers to look deeply into eleven topics common to most American history classes and examine them with the eye of a historian. The topics are explored using a variety of media, including feature films and interactive activities. Participants also explore effective strategies for teaching these and other American history topics in their classroom.

**PRDV 78125 Executive Functioning and Academic Achievement**

Designed to enable teachers, administrators, and guidance counselors PK-12 to effectively support students who may have challenges with executive functioning. Through interactive discussions, reading current research, and reflective practice, participants increase their understanding of effective interventions, strategies to strengthen student deficiencies in executive functioning, and ways to help students further hone existing executive function skills. Multicultural factors, diverse learning challenges, and educational settings PK-12 are also explored.

**PRDV 78214 Painting in the K-8 Classroom**

Examines various painting techniques that can be integrated into the K-8 curriculum. Participants practice various painting methods that can be utilized in the classroom and focus on strategies that encourage students to use painting in classroom projects. A field trip to a regional art museum gives participants an added resource to share with their students.

**PRDV 78215 Implementing the History and Social Science Frameworks**

The study of early America and the American beginnings to 1650, drawing on the resources of Plimoth Plantation. Teaching terms are guided through curriculum planning for interdisciplinary units on early American history that match the learning needs of all students, with emphasis on high ability students.

**PRDV 78221 Closing the Proficiency Gap in Mathematics through Enhance Technology**

A course for career/tech secondary school teachers wishing to become more proficient in the use of technology to enhance the teaching of mathematics. Participants will design and present lesson plans aligned with embedded mathematical strands of the Massachusetts Career and Technical Frameworks that implement technology.

**PRDV 78222 Science Every Day: Weaving Science Topics into the K-12 Curriculum**

An examination of strategies to incorporate science, technology, and engineering content from the Massachusetts Curriculum Frameworks into an interdisciplinary curriculum. Using shared lesson plans, participants focus on strategies to bring an awareness of science, technology and engineering careers to the classroom.

**PRDV 78224 Journalism in the Classroom**

An examination of journalism skills including concise writing, word choice, point of view, persuasion, and summarizing activities. Course topics include the inverted-pyramid style of writing, classical methods of persuasion, editing, and newsroom structure. Participants focus on strategies to integrate news writing and analysis into middle and high school curriculum.

**PRDV 78225 High School English Content and Best Practice**

An examination of high level literary content analysis, critical analysis, and methods of teaching grades 9-12 English. Participants review commonly taught high school English texts, poetry and selective short stories and explore the unreliable narrator; symbolism; Shakespearian language, figurative language and purpose, language and character, central themes, mood, and tone. Pedagogy and national literacy Standards are also addressed.

**PRDV 78314 Strategies for Reaching and Reclaiming Today's Students**

Considers a combination of theories, strategies, and practices to address the needs of children and students at risk in the educational setting. Building upon traditional philosophy and educational commitment with current research and proven strategies, this course strives to fulfill the promise that all children and teachers can succeed. Participants explore the motives surrounding misbehavior and the desire to learn; how to create a Circle of Caring in the community and school, and consider specific interventions, strategies, and techniques to avoid and to diffuse potential conflict situations. Strategies for resolving conflict and for drawing troubled students back into the Circle of Caring are presented.

**PRDV 78315 Boston as a Resource for Developing History Curricula**

Utilizes Boston's rich history and resources to create materials that address the Massachusetts History and Social Science Frameworks.

**PRDV 78323 Teaching American Literature Using Non-Fiction, Poetry and Short Stories, Gr. 6-12**

An examination of poetry, fiction, drama, and nonfiction prose written in America from the seventeenth century to the twenty-first century as a reflection of experiences of Native Americans, people whose family had immigrated to America, and people who were brought to America against their will as America was colonized and developed into the complex entity it is today. Participants explore how American literary movements (Romanticism, Transcendentalism, Realism, Naturalism, Modernism, and Postmodernism) reflect the landscape of Americans as they sought to shape and define culture and themselves.

**PRDV 78325 Strategies to Support Academic Achievement for all Students**

Designed to enable teachers, administrators, and guidance counselors PK-12 to effectively support students by improving academic achievement, classroom behaviors, and goal setting. Participants develop a deeper understanding of student needs, learning styles, and learning/behavior/motivation challenges. Through interactive discussions, study of current research, and reflective practice, participants increase their understanding of effective interventions, develop a working knowledge of internal and external locus of control, apply knowledge of attribution theory, and strengthen ability to support students who appear to be disenfranchised. Multicultural factors, diverse learning challenges, and educational settings PK-12 are explored.

**PRDV 78414 The Child-Centered Classroom for Learning Involvement**

Demonstrates how to provide learning situations that involve the student in individual and pre-learning strategies. Many teacher designed learning activities and centers will be shared as well as management techniques. Discussions will center on involving children in writing and literature as well as methods used to accomplish this activity.

**PRDV 78415 Practical Strategies for At-Risk Learners**

Introduces specialized strategies in the areas of reading, written language, and mathematics appropriate for at-risk learners grades 1-3.

**PRDV 78418 Essentials for Reading Instruction**

Designed to focus on improving students' reading comprehension skills through the reading components of a balanced approach to literacy instruction. An emphasis is placed on developing comprehension strategies (making connections, asking questions, visualizing, making inferences, determining importance/summarizing) through reader's workshop (independent reading), read alouds, shared and guided reading. Additional topics include: creating a community of readers, organizing your classroom library, using assessment to inform instruction, integrating content and reading instruction through different kinds of genres, and maximizing learning during independent reading.

**PRDV 78421 Observational Drawing for Non-Artists**

Designed for teachers who have no prior experiences in art. Participants develop ability to draw what is seen with clarity and accuracy through practices with the basic artistic concepts of line, shape and value using traditional still life, architecture and the human form. By exploring these techniques and discussing ways to incorporate them into a variety of classroom settings, participants develop their own observational skills and learn to encourage these abilities in their students.

**PRDV 78422 The Enduring Legacy of the Founding Documents**

Designed for United States History teachers to use narrative and primary sources to support teaching and learning about the Founding Documents. Participants study the Declaration of Independence, the Constitution, and important Supreme Court cases and investigate the impact of these documents on later periods in history. They explore classroom strategies to support students in understanding the Founding Documents and their relevance to the world today. Throughout the course, participants also reflect on how to use essential questions, primary sources and narrative to help deepen their students' historical understanding and to meet state social studies frameworks.

**PRDV 78423 Social Effects of Media on Children**

An exploration of the role of media in the lives of children and adolescents. The course covers three areas: 1.) how the media impacts children socially, 2.) Popular television shows, websites, and print that is at the forefront of the media environment, 3). Media policy issues, parent controls, and advocacy. Through class discussion, reflection, readings, and assignments, participants examine the impact of media outlets on children in America.

**PRDV 78515 Preparing Educators to Use Technology II**

Expands knowledge of various microcomputer concepts including word processing, spreadsheets, databases, and the Internet. Microsoft PowerPoint and Microsoft Outlook are also introduced.

**PRDV 78516 Brazilian Culture, Society and Art**

An overview of Brazilian culture, society, and art. Topics include geography, history, religion, philosophy, music, art and dance, and cuisine.

**PRDV 78519 La Francophonie: How to Integrate the French Speaking World into the French Curriculum**

A study of the Communication. Cultures, Connections, Comparisons, and Communities Strands of the Massachusetts Foreign Languages Framework with particular emphasis on the literature and culture of French Africa, Indochina, Quebec, and Louisiana. The course is conducted entirely in French.

**PRDV 78521 Thinking Skills and Engineering: An Integrative Perspective for PreK-5 Curriculum**

An introduction to the profession of engineering and to the preK-5 engineering strand of the MA Science and Technology/Engineering Curriculum Framework. The course models cross the functional learning by using the engineering design process to connect literature to math and science. It also provides participants with opportunities to integrate the engineering curriculum into their own lesson plans as part of project based learning. As the engineering design process is a thinking skill, the course models the use of thinking skills related to productive questioning, meta-cognitive thoughts, and thinking strategies.

**PRDV 78522 Enhancing Administrative Skills**

Designed for school leaders in public school districts. Participants focus on the topics of attribution theory, constructivist learning theory, communication theory, concern change theory, diversity theory, participatory decision theory, team theory, and productive thinking theory. The learning activities are designed to create a school leader who will be able to speak in a clear, confident, and convincing manner and write in a factual, accurate, and thorough way to produce a shared vision that is in alignment with the goals of Massachusetts Educational Reform Act 1993.

**PRDV 78524 Strategies and Resources for Teaching Psychology: An Institute for High School Teachers**

An examination of practical tools for teaching high school level psychology. The sessions focus on student-centered activities, project-based learning, and new resources to help teachers and students connect with the wide-ranging and ever-changing field of psychology. There is an emphasis on cross-cultural perspectives and the use of technology in the curriculum. Collaboration with colleagues is encouraged to share successful ideas and useful information that enriches and expands current curriculum.

### **PRDV 78615 Instructional Use of Technology in the Social Studies Classroom**

Considers practical and proven ways to integrate technology into the Social Studies curriculum and increase student performance. Participants reflect on their own teaching goals and examine ways in which the computer can help them reach these goals. Teachers participate in classroom activities that introduce several ways to integrate the computer and the Internet into their daily teaching. Tools and techniques that help put the Internet and its resources to use in the classroom are also explored.

### **PRDV 78616 Developing Literacy First**

Explores techniques and strategies for a balanced literacy classroom. Topics include: understanding how children learn to read and write, brain research and literacy development, assessment, and successful classroom management.

### **PRDV 78619 Primarily Teaching: Original Documents and Classroom Strategies**

An in-depth examination of the resources available at the National Archives in Waltham, MA with emphasis on conducting historical research using a variety of media. Participants complete a pre-course research plan that specifically addresses the holdings of the Waltham facility and develop document-based teaching materials. In addition, participants create online teaching and learning activities using digitized materials and the online web tool, DocsTeach.

### **PRDV 78619 Using Primary Sources to Reconstruct the Past**

An introduction to historical research using primary sources. Participants examine how to read and interpret the sources, how to assess the accuracy of sources, and where to turn for supplemental material. Working with the materials collected in the Boston area and materials available online, participants develop transferable skills to conduct similar research in their own community. Instructor presentations demonstrate practical applications and resources to bring back to the classroom.

### **PRDV 78622 The Changing American Family through Film**

An introduction to a variety of films which may be used as powerful tools in the classroom to stimulate discussion on a variety of societal issues regarding the family including: evolving definitions and formulations of the family; legal issues surrounding families; cultural conflict resulting from immigration, assimilation and generational differences; the economy; and the impact of mental illness, disability and addiction on the family. Participants also consider current public policy issues, especially civil rights, which relate to the family. The films come from a variety of genres including comedy, drama, and satire.

### **PRDV 78623 Reading/Writing Workshop: Reading like Writers and Writing like Readers**

A focus on instructional practices educators can use to support all students as they develop their reading and writing skills. The Reading and Writing Workshop framework is presented as a way to integrate the many components of both disciplines including comprehension, fluency, vocabulary, the writing process, and language/word study as well as how to look through both the lens of the reader and writer. Learning strategies, instructional methods and materials, evaluation techniques, scheduling, and workshop management will be integrated throughout the course. Participants are also expected to demonstrate their understanding of the reciprocal processes of reading and writing. The goal of this course is to emphasize the need for an integrated workshop approach relative to the teaching of Reading and Writing. The course will address current research and practice relative to the principles of teaching reading and writing.

**PRDV 78624 Science Field Study of Organisms, Habitats, & Ecology**

An exploration of a variety of habitats (wetlands, field and forest) and living and non-living components of different ecosystem. Participants examine the interrelationships of different organisms within aquatic and terrestrial communities during the changing seasons with a focus on the physical and behavioral adaptations of plants and animals in different habitats. Participants practice field-based scientific research and learn how to design scientific investigations for their students using the Massachusetts Curriculum Framework standards as a reference point. In addition, participants participate in a science research activity and reflect on their experiences by creating a presentation that discusses the project and its effect on their learning as teachers.

**PRDV 78715 Interdisciplinary Units in Social Studies for Early Childhood**

Focuses on the History, Social Science, and Science and Technology Curriculum Frameworks.

**PRDV 78716 Integrated Bilingual Settings: Theory and Practice**

Focuses on the theoretical and practical issues involved with bringing together students from a bilingual and standard curriculum classroom. Topics include bilingualism and second language acquisition, classroom organization in integrated settings, and developing positive cross-cultural relationships.

**PRDV 78719 Creating and Using Word Walls Grades K-5**

An examination of the research based studies on the effects of word walls in the modern classroom. Participants focus on word wall uses, study and compare different word wall styles, and create a portable word wall to use in their own classrooms. The course enables educators to motivate their students to take more risks in writing and improve overall vocabulary and spelling.

**PRDV 78720 Applying and Producing Streaming Video for the Classroom**

An examination of all aspects of streaming video as a tool to improve student performance. Participants focus on strategies to plan, produce, test, evaluate and host their own streaming video using specific state, regional or international content standards.

**PRDV 78723 Family Literacy in the Primary Grades**

An exploration of the positive benefits of family literacy in the primary grades. Strategies and tools to establish a strong home school literacy connection are studied in depth and participants share ideas, conduct research, and develop ways to enhance literacy and learning in the home. The course culminates in a Family Literacy Event coordinated by participants in their school. The event is centered on a chosen theme and consists of five literacy activities; one for each area of literacy instruction as determined by the National Reading Panel.

**PRDV 78815 Enhancing Mathematical Learning**

Designed to guide mathematical reform. The course focuses on the National Council of Teachers of Mathematics (NCTM) curriculum and standards. Topics included are assessment, hands-on learning and teaching, concept based approach to mathematics, open-ended questions, and problem solving.

### **PRDV 78816 Teacher Expectations and Student Achievement**

Examines literature linking teacher expectations to student achievement. Participants examine characteristics of perceived low and high achievers, teacher behaviors that represent teacher expectations, and how to develop goals for changes in behaviors.

### **PRDV 78822 Selected Topics in Mathematics for Middle/High School Teachers**

A focus on topics typically covered at the middle or high level, but uses a non-typical approach. The idea is to provide a degree of excitement and motivation to the teaching of algebra and other topics by presenting ideas not commonly known or covered in traditional courses. This new material will compliment what is normally covered and give teachers a broader understanding of the subject. Non-traditional applications are presented as well.

### **PRDV 78823 Examining American History through the Local Lens**

Designed to enrich instruction in American history by examining American history through local narratives. Prominent Massachusetts scholars guide participants through avenues of local research while examining eras of local, state, and national history. These educators introduce participants to and lead exploration and discussion about local resources at the American Antiquarian Society, Massachusetts Historical Society, National Archives, Leventhal Map Center, and local historical societies and libraries.

### **PRDV 78914 Developing Instructional Materials for the Classroom**

Participants will explore and utilize the philosophical and educational tenets fundamental to the effective creation of learning materials for the classroom. The criteria for developing manipulatives as well as various techniques and principles in creating and using these materials are presented. Thematic units and integrated curricula that directly enhance, enrich and supplement any content area are developed.

### **PRDV 78915 Constitutional Law for Educators**

Explores the U.S. constitution in depth. The course is designed in accordance with the Massachusetts History and Social Science Curriculum Frameworks. Participants create curricula and instructional materials on the Constitution.

### **PRDV 78923 Climate Change**

An exploration of the science of climate change. Participants learn how the climate system works; what factors cause climate to change across different time scales and how those factors interact; how climate has changed in the past; how scientists use models, observations and theory to make predictions about future climate; and the possible consequences of climate change for our planet. Students examine how climate change today is different from past climate cycles and how satellites and other technologies are revealing the global signals of a changing climate. Finally, the course looks at the connection between human activity and the current warming trend and considers some of the potential social, economic and environmental consequences of climate change.

### **PRDV 78924 Inspired by Women Artists, Part II**

An examination of the careers and artworks of four women artists: Mary Frank, Joan Mitchell, Elizabeth Murray, and Joan Snyder. Participants receive a biographical presentation on each artist and practice working with each artist's particular stylistic considerations and art materials. After this preparation, participants design and create a project

inspired by each artist's work. This course also focuses on ideas and information for classroom projects in studio art and art history and encourages participants to further their own personal art practice.

**PRDV 79015 Exploring Pathways to Learning**

Examines the theories and applications on how students learn best. Among the topics considered are: hemisphericity, learning styles, critical and creative thinking, multiple intelligences, and how these translate into practical classroom curriculum and instructional strategies.

**PRDV 79022 Integrating Art/Music into the Social Studies Curriculum**

Designed for PreK-12 Music, Art, Social Studies, and History educators. Topics include authentically integrating art and music content into social studies and history curriculum, the MA Curriculum Frameworks for Social Studies, the MA Curriculum Frameworks in the Arts, primary sources, online and community resources, and art content related to history, politics, and government.

**PRDV 79023 A Cordial to My Spirits: Rendering the Early American Family**

A focus on the early American family using primary sources and research that reflect that these giants of history were real people. Specific topics discussed in lectures, field trips, and seminars include gender roles, courtship, home industry, letter writing, material culture and historical thinking.

**PRDV 79024 Oral Language in the Elementary Classroom: A Natural Fit**

An examination of the norms for Classroom Talk that engage all students in classroom discourse with the goal of improving student collaborative thinking and listening skills, improving techniques for sharing, expanding and clarifying ideas orally and deepening reasoning ability . Participants identify specific categories of oral language that enhance learning during K-5 lessons and increase their repertoire of teaching strategies to develop greater experience with the habits of mind acquired through Classroom Talk.

**PRDV 79123 Using Narrative to Teach United States Labor History, 1800-1913**

A focus on the use of narrative and primary sources to support teaching and learning about labor in the United States from 1800-1913. Participants study the Industrial Revolution, the rise of capitalism, and the development of other political movements including anarchism and socialism. Participants explore the experience of a variety of groups with relation to labor, including women, African Americans, Asian immigrants and children and investigate how the history of labor unfolded in different parts of the country, including Massachusetts, the rural South, and the West.

**PRDV 79124 Investigating Connections between Science, Engineering and the World**

An investigation into the connections between science, engineering, and the natural world. The 2012 MITS Summer Institute for High School Teachers goal is to instruct teachers in developing and implementing effective inquiry-based science lessons linked to frameworks and content in their classrooms and laboratories. Participants explore the field of biomimicry and also learn how the study of stranded marine animals lends new insight into ocean health, human health, and engineering design. Through tours of research labs and vessels at Woods Hole, participants observe ongoing investigations and learn how they can use real-time data to address the scientific inquiry process with their students. At the Massachusetts Maritime Academy, students deepen their understanding of biomimicry and oceanographic research by learning about robots that mimic animal behavior and physiology.

### **PRDV 79221 Using Web 2.0 Tools to Address the Foreign Language Frameworks**

Examines Web 2.0 tools to support teaching and learning of the five “C”s identified in the MA Foreign Language Curriculum Frameworks: Communication, Cultures, Comparisons, Connections, and Communities. Participants explore tools such as blogs, wikis, asynchronous text and audio discussions, multimedia sharing sites, and podcasts and develop strategies to integrate these tools into their instruction and assessment in support of key curricular goals.

### **PRDV 79224 Reading Workshop in the Elementary Classroom**

Designed to provide the elementary classroom teacher with the opportunity to design and implement the reading workshop model, including teacher designed guided reading and writing lessons, which are based on the new MA ELA Curriculum Framework. Participants implement the reading workshop model with Framingham State University Reading Specialist Practicum students who coach them on best practice in literacy instruction. Attention is also be given to the administration of running records, retelling and comprehension checks, fluency rubrics, and writing rubrics for use in assessing students and designing guided reading lessons.

### **PRDV 79314 Legal Aspects of Student Discipline in Massachusetts**

Designed for school administrators, headmasters, coordinators, department heads, and educators who deal with discipline issues on a daily basis. This course examines the numerous legal decisions, statutes, and regulations that all school employees should be aware of and consider in their work when disciplining students.

### **PRDV 79322 Small Group Instruction in the Elementary Classroom**

A focus on strategies to increase the knowledge base of elementary educators by helping them understand and integrate research, theory and practice in order to ensure that all students reach high standards. This course examines the process of analyzing assessment data to inform small group instruction and helps teachers develop lessons that are responsive to the full range of student learning styles, interests and learning needs. Course readings, discussions and projects will include the following topics: analyzing assessment data to plan instruction; effective lesson design for small groups; using strategy groups, guided reading, literature circles and inquiry circles in the classroom; integrating content area learning with small group instruction; and using professional learning communities to improve student achievement.

### **PRDV 79325 Incorporating Art Across the Disciplines**

A practical and philosophical guide to incorporating Art into the teaching of other disciplines. Using all four Standards of Massachusetts Teacher Performance, connections are made between Art and other subjects both in concept and in practice. Lesson plans are developed and resources are revealed to help teachers reinforce their lessons with an art strand. Howard Gardner’s Multiple Intelligences and Multiculturalism play important roles in this class.

### **PRDV 79421 Blended Teaching and Learning**

Examines the common features of hybrid courses including the delivery of the syllabus, effective online lectures, readings and assignments on web pages; discussions and presentations through online message boards, e-mail and chat; interactive tutorials and labs; and on-line assessments. Participants determine what aspects of their curriculum are best suited to presentation online, create new approaches to communicating in the classroom and create active independent learning experiences.

**PRDV 79514 Action Research in the Classroom**

Focuses on the development of a clear understanding of the many facts and purposes of assessment and how to use assessment for the purpose of gathering evidence of student learning. Since this course is based on action research, participants will create appropriate written assessment tasks and rubrics for specific concepts they will be teaching in their classrooms. These tasks are developed as part of a “backwards design” process which establishes the understanding of a concept first, identifies suitable assessment(s) to be used, and ascertains the appropriate activities and instructional practice to be used by the teacher.

**PRDV 79519 Integrating Whiteboard Technology into the Elementary Classroom**

A comprehensive overview of Whiteboard technology for use in the classroom to create a dynamic, interactive learning environment that engages students in the learning process. Activities include readings and/or videos, with periods for discussion and reflection. Participants reshape an existing unit or create a new one using Backwards Design theory and a Constructivist approach to support the curriculum standards in the chosen content area.

**PRDV 79520 Developing the Socialization Skills of Students with ASD in Inclusive Classrooms**

An examination of the socialization of students with autism spectrum disorders (ASD) in inclusive classrooms. Topics include social skills development, creating opportunities for meaningful social connections with nondisabled classmates, and supporting developing friendships. Participants review current information on why social skills are different among most students with ASD labels compared to their nondisabled peers and what to do about this by developing participants’ skills in applying evidence-based and promising practices in natural settings such as classrooms, lunchrooms, and during breaks at school.

**PRDV 79524 Common Core Math: Adapting Best Practices (Gr. K-5)**

Designed to assist Gr. K-5 educators as they transition to the Common Core mathematics curriculum. Participants analyze the new Common Core documents and compare with the existing Massachusetts Mathematics Curriculum Framework to find commonalities and differences. Discussions and best practices are shared in grade-level teams. All participants complete a curriculum project that includes innovative ideas aligned with the Common Core and is ready for use in their classrooms.

**PRDV 79525 Engineering Design and the Natural World**

An examination of inquiry-based investigations and project-based engineering design challenges linked to the MA State Frameworks and focused on how the natural world can inspire engineering design. Participants look at these connections through multiple lenses: on the land, in the sea, in the air, and through time and engage in science and engineering practices individually, with partners, in teams, and as a full group. During the institute, participants apply what they have learned to the development of investigations to be used in their classrooms and participate in a professional learning community of peers and science educators to reflect on the science content, science and engineering practices, and scientific attitudes they experience throughout the course.

**PRDV 79614 Literature, Art, and the Foreign Language Frameworks**

Provides participants with authentic texts and artifacts from the target culture for use in foreign language classes to help students become more engaged and more proficient language learners. This course addresses: technology,

assessment and assessing the standards, immersion opportunities, development of rubrics, content related workshops, and aligning foreign language curriculum with the Foreign Language Frameworks.

**PRDV 79615 Procedures for Implementing District Improvement Plans**

Applies the Myers-Briggs Type I indicator to team development issues including communication, planning, and conflict management. Specific measurement criteria are considered in addressing concepts of mission, leadership values and key result areas. Participants develop a format for preparing annual goals and long-range strategies.

**PRDV 79616 Creating Computer Simulations for the Classroom**

Introduces teachers to the fundamentals of modeling complex, dynamic systems using StarLogo. Participants will learn to build models appropriate to their classes on topics ranging from demographics to predator-prey dynamics and from particle collisions to market economics. Students will also work with other faculty to create supporting curricular materials and devise strategies for bringing the materials back to the classroom.

**PRDV 79618 Using Art History to Address the Massachusetts Learning Standards in the Core Curriculum**

Introduction to the history of art and analysis of painting, sculpture, and architecture from the Ancient Near East to the Postmodern Era as it relates to the Massachusetts Learning Standards in the Core Curriculum. Participants design curriculum that connects the history and analysis of art to their specific grade level.

**PRDV 79619 Teaching the Sun-Earth System with Technology**

An institute for middle school math teachers, science teachers, and instructional technology specialists focusing on real-data in real-time to understand the dynamics of the complex Sun-Earth system by tracking sunspots, predicting solar storms, traveling through Earth's Magnetosphere and being captivated by luminous auroras. Participating teachers design and develop a set of interactive classroom materials to enhance NASA Exploring Space Mathematics activities. Classroom materials generated at the institute will be shared with all participants on portable media to facilitate implementation and replication.

**PRDV 79622 Prevention and Intervention of Bullying**

An examination of realistic and effective strategies (as determined through professional practice and current research) for the prevention and intervention of bullying in a variety of educational environmental contexts. Participants review the spectrum of bullying types, impacts of bullying on perpetrators and victims, and strategies to mediate bullying behaviors.

**PRDV 79623 Developing Mathematical Ideas: Reasoning Algebraically About Operations**

Intended to help teachers explore how student thinking about numbers can be used to formulate generalizations about operations. Participants focus on strategies to expand students understanding of the properties that underlie the number system introduced in the elementary grades that will prepare them to think algebraically for success in middle school and beyond.

**PRDV 79624 Understanding and Preventing Violence in Schools**

An examination of the social causes of violence in the school setting with a focus on race, class and gender. Participants focus on less visible forms of violence that take place regularly on school campuses like cyber-violence, bullying,

assaults, sexual assaults, intimidation, hate crime and harassment. The course covers various types of violence, from fighting and sexual harassment to bullying and suicide and other forms of “hidden violence” that often go unreported and the role of the criminal justice system in addressing these issues. Participants identify stakeholders and explore potential solutions to modify popular school anti-violence trends and pedagogy.

#### **PRDV 79625 Integrating Science, Technology, Engineering and Literacy**

Focuses on inquiry-based investigations and project-based engineering design experiences linked to the MA State Frameworks. Participants construct knowledge of science content and science and engineering practices integrating explicit connections to the literacy standards. With skillful science educators and peers, participants investigate a variety of settings and experience a range of instructional and assessment strategies. Participants integrate theory and practice by applying their learning to the development of their own projects to be used in their respective teaching settings.

#### **PRDV 79715 Teaching and Learning with Technology**

Focuses on offering teachers an opportunity to expand their knowledge of appropriate computer software in a way that will enable them to integrate technology into the classroom.

#### **PRDV 79719 Facilitating Learning**

An examination of several strategies participants can use to promote student learning. This course is intended primarily for secondary teachers in the early stages of their careers, and in particular, for those in the TEC Teacher Licensure Program. More experienced teachers may find it valuable in expanding their repertoire and in matching strategies to the varied needs of students. The basic text is "Studying Skillful Teaching" by Saphier and Gower, but content is supplemented by materials from Dimensions of Learning.

#### **PRDV 79721 Practical Applications of Teaching Gifted/Talented in the Classroom**

An advanced study of gifted/talented/creative/high-end learners including underserved populations. Participants develop classroom management plans that employ a variety of strategies for modifying content, process, product, and delivery according to students' needs as demonstrated through appropriately matched pre-assessments.

#### **PRDV 79722 Teaching US History and Economic Understanding: The American Labor Force**

Designed to enrich instruction in American history by examining the complex relationship between labor and management throughout our nation's history. Scholars guide participants through the evolving and increasing role of state and federal government in negotiating class conflict. Events are placed in both local and international contexts in an effort to understand how economic forces affect the lives of and decisions made by laborers, managers, and government. Participants examine how historical events are the outcomes of economic choices people and institutions make every day.

#### **PRDV 79725 Understanding and Teaching Students with Neurological Disorders**

Provides information and tools essential for all school personnel to create a supportive environment for students with co-occurring neurological and emotionally based disorders. The course examines five areas: 1.) the foundations necessary for academic and social success 2.) awareness, impact, and classroom strategies to target neurological and emotional disorders 3.) awareness, impact, and classroom strategies to target academic issues related to these disorders 4.) behaviors linked to these disorders and assessment and management strategies for the classroom 5.) school based services, parent communication, and possible socially related issues. Through class discussion,

reflection, readings, and assignments, participants examine the impact of neurological and emotional disorders on classroom learning.

**PRDV 79815 Advanced Multimedia Projects**

A course for those who are already familiar with multimedia-rich software. Participants will learn advanced multimedia techniques and develop at least two curriculum projects that can be shared and used in the classroom.

**PRDV 79821 Number and Operations: Reasoning Algebraically About Operations**

An examination of the generalizations that is central to the number system including the properties and relationships between operations. Participants develop strategies for improving the reasoning skills and higher level conceptual understanding of K-8 students who are progressing to more formal study of algebra.

**PRDV 79822 Teaching US History and Economic Understanding: US Government and Economics**

Designed to enrich instruction in American history by examining eras of major economic change in our nation's history. Scholars guide participants through the roles of local, state, and federal government in creating and adjusting to shifts in the economic landscape. Participants gain a deeper understanding of major economic events and trends by developing the economic vocabulary and reasoning skills necessary for instructing U.S. history. Prominent scholars will weave the economic thread through a cross-section of historical events.

**PRDV 79824 Reading & Writing Non-Fiction in the Primary Grades**

An exploration of techniques and strategies for using non-fiction texts in the elementary classroom. Participants consider comprehension strategies that support non-fiction reading and consider models of instruction that integrate non-fiction text across content areas. Participants also consider strategies that support primary grade expository writing including the use of mentor texts, author studies, and common core standards.

**PRDV 79923 Tiered Literacy Instruction: Bloom's Taxonomy and Beyond**

An examination of tiered literacy instruction. Participants develop and deliver lessons that focus on differentiated instructional strategies incorporating the following methodologies of tiered literacy instruction: the use of standards and backwards design; formative and summative assessments; Bloom's Taxonomy; and learner styles and preferences.

**PRDV 79924 Inspired by Women Artists - Part I**

An examination of the careers and artworks of four women artists: Helen Frankenthaler, Alice Neel, Janet Fish, and Remedios Varo. Participants receive a biographical presentation on each artist and practice working with each artist's particular stylistic considerations and art materials. After this preparation, participants design and create a project inspired by each artist's work. This course also focuses on ideas and information for classroom projects in studio art and art history and encourages participants to further their own personal art practice.

**PRDV 79925 Using Design Education to Investigate Animal and Human Needs**

An investigation of the relationship between science, engineering and literacy and animal and human needs. Participants examine a continuum of inquiry-based investigations and project-based engineering design challenges linked to the MA State Frameworks and focused on the needs of all animals and humans for food, water, shelter and space in order to survive. Participants observe how particular animals and humans are adapted to meet their needs in

different ways and how adaptations function as tools to acquire, build or maintain habitat. At the conclusion of the course, participants develop an inquiry-based project that reflects the application of learning during the institute, including linkages among scientific inquiry, engineering design, and technology.