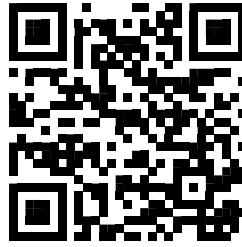




Our 43rd Summer!



Scan to visit our website

KALEIDOSCOPE 2024

Creative Learning for Children ages 3-13

July 1-August 2, 2024
Pike School, Andover, Massachusetts

www.kaleidoscopekids.com

NEW COURSES INCLUDE:

- 2D VIDEO GAME DESIGN
 - ANIMATION
- BATHROOM CHEMISTRY
 - DISNEY DELIGHTS
 - DWELLING DESIGNS
 - JOIN THE CIRCUS
- LEGO SPACE ADVENTURES
 - LITTLE PICASSOS
- MINECRAFT MODDING WITH MCREATOR
 - SUMMERTIME FUN
 - SWIFTIE ACADEMY
 - PRINTMAKING
- ROBLOX GAME DESIGN & CODING
- SCIENCE WONDER LAB
 - SCULPTURE & CLAY
 - SPANISH LEVEL 2
 - STORYTELLING

OUR 34th YEAR **KITE**

July 29-August 2, 2024

A Thinking Skills Institute for the High-Ability Learner
(See Inside)

At Pike School for Grades Pre-K-Grade 7
2024 Theme: **"Backstories"**



Creative Learning for Children, Inc.
Kaleidoscope
Box 506
Andover, MA 01810

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KALEIDOSCOPE 2024

Definition: Kaleidoscope is a non-profit enrichment program that offers varied educational and cultural opportunities to children in the Merrimack Valley. For the forty-third summer, Kaleidoscope offers one-week courses, where students are immersed in the subject(s) of their choice. The emphasis is on concrete learning in a creative setting. A highly qualified professional instructor teaches each group.

Directors: Grant Elliott and Tim Stonecipher

Assistant Director: Kelsea Lussier

Office Manager: Christa Ritter

Consultant: Janis Baron

Classes: Classes meet from 9:00–11:30 A.M. or from 12:00–2:30 P.M. daily. Some courses run for the full day (9:00 A.M.–2:30 P.M.). See detailed schedule on next page. An alphabetical course listing follows the schedule.

Class Size: Average class is 12, with a maximum of 15.

Location: Pike School, 34 Sunset Rock Rd., Andover, MA

Transportation: Parents' responsibility.

Tuition: \$220 for most regular one-week A.M. or P.M. course. Some unique half-day Special Offerings are \$295 or \$425. Most Full-Day courses are \$460. A few Full-Day Special Offerings are \$595. A \$40 non-refundable registration fee per family covers processing of each form, as well as enhanced sanitation measures. Additional fees are charged for some courses that involve extensive materials or trips. This information is included with course description if applicable. Fireworks Week courses (4 days) are priced differently and that information is listed with descriptions.

Eligibility: Students from all communities are welcome and encouraged to participate in Kaleidoscope courses. Last summer we enrolled almost 700 children from 40 different communities. The program is open to all children regardless of race, creed or ethnic origins.

Grade Level: Grade level requirements, listed with each course description, refer to the student's CURRENT

GRADE at time of registration (not the grade they are entering in the fall). Age refers to age as of June 1, 2024. Please observe these guidelines when registering. If special circumstances exist, please call or email our Office Manager.

Registration: Courses are filled on a first come, first served basis, preferably through our website, www.kaleidoscopekids.com. You will be prompted to enter course codes as listed on the schedule page. Registration should be done online at www.kaleidoscopekids.com. Payment can easily be made via Paypal or credit card at this site. If you plan to pay by check, please contact Christa at (978) 494-3978 to register by phone, as our system will not process your registration form without payment at that time. We will send a confirmation email within 48 hours to confirm registration. A detailed letter will be mailed to all families in late May/early June.

Kaleidoscope in Action: Some of our courses, due to their "active" nature, will require current immunization records as well as updated physicals prior to the start of class. This applies to courses with the following codes: 36, 63, 83, 91, 103, 115, and 131. This camp must comply with regulations of the Massachusetts Department of Public Health (105 CMR 430.190C) and be licensed by the local board of health.

Scholarships and Contributions: A limited number of partial scholarships are available. Contributions to Kaleidoscope are tax-deductible and are used for this purpose. Interested parties should call or write to the director.

Contact Information:

Our office phone is (978) 494-3978.

Our e-mail address is: info@kaleidoscopekids.com

Website: Check out our website at www.kaleidoscopekids.com! Registration should be done online. Use PayPal or mail check within 48 hours to confirm registration.

Lunch: For those students who enroll in both a morning and an afternoon course, a closely supervised lunch area is provided free of charge. Students need to bring their own lunches.

Refunds: To facilitate early registration, there will be no cancellation fees until after March 1, 2024, with the exception of any transaction fees. There is a \$50 per course cancellation fee between March 1 and June 1, after which no refunds can be issued. This includes Extended Day. A \$50 per course change fee applies after June 10.

Third Child Discount: Register three children and receive a 10% discount off the third child's tuition. (This applies to the child with the fewest courses.)

Faculty: Our faculty, as in the past, is comprised of highly qualified, creative, enthusiastic professionals. We are very proud to have offered quality education for children for what will soon be forty-three years.



Back by popular demand:

EXTENDED DAY OPTION!

For students enrolled in A.M. and/or P.M. courses: Join us from 2:30–5:00 daily, and enjoy many options such as arts and crafts, music, stories, computer time, videos, outdoor physical activities and more in a relaxed, creative, closely supervised environment. A snack is also included. Cost: \$225 per week per child

EARLY CARE

Early Care (8:00–9:00) can be provided for an additional \$50 per child weekly fee.



K I T E (Kaleidoscope Institute for Thinking Excellence) July 29-August 2, 2024



A ONE-WEEK FULL-DAY ADVANCED PROGRAM FOR HIGH-ABILITY LEARNERS IN GRADES PRE-KINDERGARTEN THROUGH GRADE 7

LOCATION: PIKE SCHOOL, 34 SUNSET ROCK ROAD, ANDOVER, MASSACHUSETTS

KITE 2024 Theme: "Backstories"

What are the stories **behind** the stories? KITE 2024 will focus on exciting topics as well as students' own interests and ask important questions such as: How did this come about? Who invented/ first thought of that? For example, many kids play with Lego. "Leg godt" in Danish means "play well" and that is how the name Lego was chosen for a wooden toy company many years ago. It was another 15 years before the plastic toys we now know as Lego were built there. Today, The Lego Group is the largest toy company in the world!

In addition to toys, almost everything has an interesting backstory.

Even when you think you know the whole story, there is usually a lot more to discover! Join our KITE 2024 adventurers! Have fun, meet new friends, and research the backstories of things that interest YOU!

You will find out many things that you did not know before you joined your KITE class.

KITE kids will:

- Use the outdoors in many of their investigations
- Explore opportunities to develop leadership skills
- Use science and technology to solve problems in unique ways
- Participate in Dr. Joseph Renzulli's "Type 3" activities: individual and small group investigations of REAL problems
- Choose Special Interest classes based on results of interest surveys

Our theme merely provides a springboard for many challenging and thought-provoking activities. During the week, our skilled teachers will provide instruction on a variety of topics, pose open-ended questions and function primarily as a "guide on the side" rather than assume the more traditional teacher's role of "sage on the stage." Projects are "hands-on" and interest-based.

WHO SHOULD GO TO KITE?

If your child grasps new concepts quickly and deeply, asks questions that show depth of understanding, often adds that "something extra" to a project, **does not require any in-classroom support**, seems motivated to explore new ideas, spends time waiting for others to "catch up"... then we highly recommend that you try the KITE program this summer. Please feel free to call us at (978) 494-3978 any time to discuss your child and to determine whether the KITE program would be a good match. Please see comments from previous families on the KITE link of our website, www.kaleidoscopekids.com.

HIGHLIGHTS:

- Emphasis on higher-order creative and critical thinking, as well as problem-solving skills thinking, communication, forecasting, decision-making and planning activities
- Chance to meet and work with other outstanding students, share interests and abilities, and

make new friends

- Individual and small group independent investigations
- In-depth study of high-interest topics

PREREQUISITES:

- Above-average academic skills
- Independent learning skills
- High degree of motivation
- Teacher survey (sent upon registration; also online)
- Student interest questionnaire (sent in the spring; also online)

TIME: 9:00 A.M.–2:30 P.M. daily

TUITION: \$505 per child + \$40 non-refundable registration fee. Refunds are given, less a \$100 cancellation fee, if student withdraws prior to May 1, 2024. **No refunds available beyond that date.** Early Care (8:00–9:00 A.M.): \$50 per week Extended Day (2:30–5:00 P.M.): \$225 per week

REGISTRATION: Register online. Please indicate grade level completed as of June 1, 2024. Teacher surveys will be mailed upon receipt of registration form and tuition. Children will receive several letters prior to the start of the program.

CLASS SIZE: 12

COORDINATORS: Grant Elliott and Tim Stonecipher

CONSULTANT: Janis Baron

2024 DIRECTOR: Sandra Blumenthal

INSTRUCTORS: Highly qualified, certified teachers with training in gifted education and/or higher-order thinking skills.

Our 34th Year!

NOTE: Pre-K children must be entering kindergarten in 2024 to enroll in KITE this year.

FOR K.I.T.E. INFORMATION: (978) 494-3978

Visit the K.I.T.E. link at www.Kaleidoscopekids.com

Quotes from KITE parents:

"It means so much to me to have an instructor and a place that gets him. He never really felt smart until he attended a program that really understood him. He says he is so happy to find other kids who like the same things that he does."

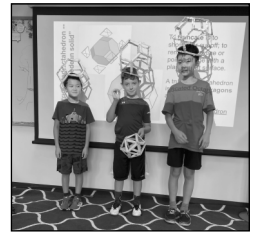
"Thank you so much for what you and your instructor have done for him. It's life-long learning."

"(Our daughter) loved her time with you and was always disappointed when it was time to come home."



SCHEDULE

Please use appropriate codes from this page when registering. This will ensure the proper placement of your child. Please use child's age or grade as of June 1, 2024 as your guide. If special circumstances exist, feel free to contact the office. Refer to the alphabetical listing that follows for course descriptions. We look forward to seeing your child this summer!



EARLY SESSION (Fireworks) JULY 1,2,3,5

- 09 LEGO SPACE ADVENTURES Ages 5/6/7/8
- 10 COLOR SPLASH Gr. 1/2/3
- 11 CIRCUITRY & CODING: FLASHLIGHTS TO ROBOTS Gr. 1/2/3/4
- 12 MUSICAL THEATER PERFORMANCE SHOWCASE Gr. 2/3/4/5
- 13 MARBLE MACHINE MADNESS Gr. 2/3/4/5
- 14 MINECRAFT EXPLORATIONS Gr. 3/4/5/6
- 15 FASHION DESIGN CHALLENGE Gr. 4/5/6/7

NOTE: All-Day Courses (9:00 A.M.–2:30 P.M. Daily)

SESSION I: July 8-12

- 16 FAIRY HOUSES Ages 5/6/7
- 17 MAKE IT, SHAKE IT, BAKE IT Ages 5/6/7
- 18 ADVENTURES IN SCIENCE Gr. K/1/2
- 19 MARBLE MACHINE MADNESS Gr. 3/4/5/6
- 20 ART INSPIRATIONS Gr. 4/5/6
- 21 AIDE INTERNSHIP: INTENSIVE Gr. 7/8

NOTE: All-Day Courses (9:00 A.M.–2:30 P.M. Daily)



A.M. (9:00–11:30 A.M. DAILY)

- 22 YOUNG CHEFS Ages 3/4
- 23 ADVENTURE THEATER Ages 3/4
- 24 JOIN THE CIRCUS Ages 3 1/2 1/4/5
- 25 UNDERSTANDING ANIMALS Ages 4/5
- 26 UNDER THE SEA Ages 4/5/6
- 27 CANDY-MAKING Ages 5/6/7/8
- 28 PAINTING OUTSIDE THE BOX Gr. K/1/2
- 29 GEOLOGY Gr. K/1/2
- 30 GUITAR ESCAPADES Gr. K/1/2
- 31 CHESS Gr. K/1/2/3
- 32 T-SHIRT MADNESS Gr. 1/2/3
- 33 KITCHEN CHEMISTRY Gr. 1/2/3
- 34 LEGO ROBOTICS Gr. 2/3/4
- 35 FOLDING FRENZY Gr. 2/3/4
- 36 FENCING Gr. 2/3/4
- 37 COLORFUL COOKING Gr. 2/3/4/5
- 38 HANDS-ON ELECTRONICS Gr. 3/4/5
- 39 DOCTORS IN TRAINING Gr. 3/4/5
- 40 DIGITAL VIDEO GAME DESIGN Gr. 3/4/5/6
- 41 YOUTUBE VIDEO PRODUCTION Gr. 3/4/5/6
- 42 NAIL ART Gr. 4/5/6
- 43 ENGINEERING/ARCHITECTURE : BOATS Gr. 5/6/7



P.M. (12:00–2:30 P.M. DAILY)

- 44 YOUNG CHEFS Ages 3 1/2/ 4/5
- 45 HATS OFF Ages 4/5/6
- 46 UNDER THE SEA Ages 4/5/6
- 47 UNDERSTANDING ANIMALS Ages 4/5/6
- 48 CIRCUIT MAKERS 101 Gr. K/1/2
- 49 LITTLE MUSICAL THEATER Gr. K/1/2
- 50 JEWELRY-MAKING Gr. K/1/2
- 51 LEGO REMOTE CONTROL Gr. 1/2/3
- 52 COLORFUL COOKING Gr. 1/2/3
- 53 BATHROOM CHEMISTRY Gr. 1/2/3
- 54 GUITAR ESCAPADES Gr. 1/2/3/4
- 55 CONCERT TOUR Gr. 2/3/4/5
- 56 ENGINEERING/ARCHITECTURE: BARNS Gr. 2/3/4/5
- 57 MINECRAFT MODDING WITH MCREATOR Gr. 2/3/4/5
- 58 CHESS Gr. 3/4/5/6
- 59 PAINTING OUTSIDE THE BOX Gr. 3/4/5/6
- 60 HAIR DESIGN Gr. 3/4/5/6
- 61 DIGITAL VIDEO GAME DESIGN Gr. 3/4/5/6/7
- 62 AMAZING RACES Gr. 4/5/6
- 63 FENCING Gr. 4/5/6/7

- ## Session II: July 15-19
- 64 SPACE CAMP Ages 5/6/7
 - 65 SUPERHERO ACADEMY Ages 5/6/7
 - 66 LEGO CITY PLANNING Gr. 1/2/3/4
 - 67 FASHION DESIGN CHALLENGE Gr. 2/3/4/5
 - 68 DOMINO PHYSICS Gr. 3/4/5/6
 - 69 TRAIL BLAZERS Gr. 4/5/6/7
 - 70 MUSICAL THEATER: THE EMPEROR & THE NIGHTINGALE Gr. 5/6/7/8

NOTE: All-Day Courses (9:00 A.M.–2:30 P.M. Daily)



A.M. (9:00–11:30 A.M. DAILY)

- 71 YOUNG CHEFS Ages 3/4
- 72 ADVENTURE THEATER Ages 3/4
- 73 DISNEY DELIGHTS Ages 3 1/2/4/5
- 74 NATURE'S SECRETS Ages 4/5/6
- 75 AHOY, MATEYS! Ages 4/5/6
- 76 BEAUTIFUL JUNK Ages 4/5/6
- 77 CAMPING OUT Ages 5/6/7
- 78 PETS & PET CARE Gr. K/1/2
- 79 SCIENCE OR WIZARDRY Gr. K/1/2
- 80 SPANISH Gr. K/1/2
- 81 JEDI TRAINING CAMP Gr. K/1/2
- 82 CIRCUIT-MAKERS 101 Gr. K/1/2
- 83 ULTIMATE SPORTS K/1/2/3
- 84 KITCHEN CHEMISTRY Gr. 1/2/3
- 85 SWIFTIE ACADEMY Gr. 1/2/3
- 86 GEOLOGY Gr. 1/2/3
- 87 CHESS—ADVANCED Gr. 1/2/3/4/5/6
- 88 AUTHOR AUTHOR Gr. 2/3/4
- 89 SCIENCE WONDER LAB Gr. 2/3/4
- 90 ROBLOX GAME DESIGN & CODING Gr. 2/3/4/5
- 91 DANCE SHOWCASE Gr. 2/3/4/5/6
- 92 ANIMATION Gr. 3/4/5/6
- 93 SCULPTURE & CLAY Gr. 3/4/5/6



P.M. (12:00–2:30 P.M. DAILY)

- 94 YOUNG CHEFS Ages 3 1/2/4/5
- 95 DISCOVERING DINOSAURS Ages 4/5/6
- 96 NATURE'S SECRETS Ages 4/5/6
- 97 BEAUTIFUL JUNK Ages 4/5/6
- 98 MAGNETS, MOTION, & MORE Ages 5/6/7
- 99 SCIENCE OR WIZARDRY Ages 5/6/7
- 100 CHESS Ages 5/6/7
- 101 NATURE YOGA Gr. K/1/2
- 102 MATH FUN Gr. K/1/2
- 103 DANCE SHOWCASE Gr. K/1/2
- 104 SCULPTURE & CLAY Gr. K/1/2/3
- 105 2D VIDEO GAME DESIGN Gr. 1/2/3
- 106 BATHROOM CHEMISTRY Gr. 2/3/4
- 107 INTERACTIVE CIRCUITRY & CODING Gr. 2/3/4
- 108 PRINT-MAKING Gr. 2/3/4/5
- 109 CONCERT TOUR GR. 3/4/5/6
- 110 ANIMATION Gr. 3/4/5/6
- 111 POTTER POWER Gr. 3/4/5/6
- 112 AMAZING RACES Gr/ 4/5/6



- ## Session III: July 22-26
- 113 BUGS, BUTTERFLIES & THE GREAT OUTDOORS Ages 3 1/2 1/4/5
 - 114 DOMINO PHYSICS Gr.1/2/3/4
 - 115 GONE FISHING Gr. 5/6/7

NOTE: All-Day Courses (9:00 A.M.–2:30 P.M. Daily)



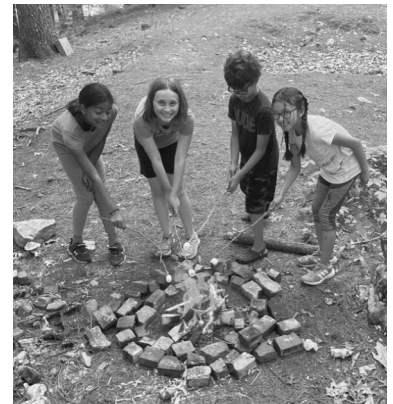
A.M. (9:00–11:30 A.M. DAILY)

- 116 SUMMERTIME FUN Ages 3/4
- 117 SEUSS ON THE LOOSE Ages 3/4
- 118 INT. YOUNG CHEFS Ages 4/5
- 119 CONSTRUCTION ZONE Ages 4/5
- 120 LITTLE PICASSOS Ages 4/5/6
- 121 AHOY, MATEYS! Ages 4/5/6
- 122 CAMPING OUT Ages 5/6/7
- 123 MAGIC SCHOOL BUS ADVENTURES Gr. K/1/2
- 124 JEWELRY-MAKING Gr. K/1/2
- 125 DWELLING DESIGNS Gr. K/1/2
- 126 CARTOONING & ILLUSTRATION Gr. 1/2/3
- 127 SPANISH LEVEL 2 Gr. 1/2/3/4
- 128 FASHION DESIGN JR. Gr. 1/2/3/4
- 129 AUTHOR AUTHOR Gr. 2/3/4
- 130 MATH CHALLENGE Gr. 2/3/4
- 131 ULTIMATE SPORTS Gr. 2/3/4/5
- 132 POTTER POWER Gr. 2/3/4/5
- 133 MECHANICAL ENGINEERING Gr. 3/4/5
- 134 STEM CHALLENGES Gr. 3/4/5/6
- 135 CSI INVESTIGATIONS Gr. 4/5/6
- 136 APP INVENTORS Gr. 4/ 5/6/7
- 137 STORYTELLING Gr. 4/5/6/7



P.M. (12:00–2:30 P.M. DAILY)

- 138 SUMMERTIME FUN Ages 3 1/2/4/5
- 139 INTERNATIONAL YOUNG CHEFS Ages 4/5/6
- 140 SUPERHERO ACADEMY Ages 4/5/6
- 141 CONSTRUCTION ZONE Ages 4/5/6
- 142 LEGO ENGINEERING Ages 5/6/7
- 143 MAGIC SCHOOL BUS ADVENTURES Ages 5/6/7
- 144 MAGNETS, MOTION & MORE Gr. K/1/2
- 145 JEDI TRAINING CAMP Gr. K/1/1
- 146 KITCHEN CHEMISTRY Gr. 1/2/3
- 147 ROBOT COMMANDERS Gr. 1/2/3
- 148 NATURE YOGA Gr. 1/2/3/4
- 149 SCIENCE WONDER LAB Gr. 2/3/4
- 150 FOLDING FRENZY Gr. 2/3/4
- 151 STEM CHALLENGES Gr. 3/4/5
- 152 DWELLING DESIGNS Gr. 3/4/5
- 153 DOCTORS IN TRAINING Gr. 3/4/5
- 154 ANIMAL STUDIES Gr. 3/4/5
- 155 SWIFTIE ACADEMY Gr. 3/4/5/6
- 156 STORYTELLING Gr. 3/4/5/6
- 157 CARTOONING & ILLUSTRATION Gr. 3/4/5/6
- 158 AIDE INTERNSHIP Gr. 6/7/8



Kaleidoscope 2024 Courses

NEW! 2D Video Game Design *Special Offering: \$425*
Instructors: Empow Studios Staff **II PM Gr. 1/2/3**

Do you love video games? Learn to build your own! Create simple video games step-by-step, experimenting with specific tasks and movements. Share gameplay with peers, while learning introductory coding concepts. Use game design program Flowlab, a platform used by professional game designers. Games are stored online, so you can gain access after class ends.

ALL DAY **Adventures in Science** **I All Day Gr. K/1/2**
Instructor: Christa Ritter

When you swim in a pond, do you know it is the habitat for millions of tiny creatures? Be an investigator inside the classroom as you examine natural items. Outside, be the explorer, discovering hidden wonders in a pond, woods, field, stream, or ocean. Take several exciting trips, including a tidal pool exploration. This popular science class has run for all 43 of our summers! This year we do not require parents to drive and chaperone, but a transportation fee of \$75 will be added. Cost: \$460.

Adventure Theater **I A.M. Ages 3/4** **II A.M. Ages 3/4**
Instructor: Shannon Eldridge

Children can be whatever they want to be... kings and queens, cats and mice, and more! Class includes art, movement, music and dance as students participate in individual and group dramatic activities. One of our longest-running courses, Adventure Theater returns this summer to encourage each child to use his/her imagination in highly creative games and projects. \$10 materials fee.

Ahoy, Mateys! **II AM: Ages 4/5/6** **III AM: Ages 4/5/6**
Instructor: Emma Dyer

Calling all pirates and mermaids! Join Captain Emma and her crew. Bring your imagination for a week of stories, art, music and lots of creative outdoor play! Design and make a pirate hat and eye patch and decorate your own edible mermaid tail. Craft a porthole and a mermaid windsock. Search for treasures and craft a spyglass. Let's discover who is the most famous pirate of all time! Don't walk the plank! Sign up today! \$15 materials fee.

Aide Internship **Special offering: \$595 Full Day Intensive Session I Gr. 7/8**
\$295 Session III PM (half-day) **III P.M. Gr. 6/7/8**
Instructor: Jaime Street

The Aide Internship program is available for boys and girls who are eager to learn the skills involved in becoming an aide for the Kaleidoscope program. See how the program operates, become familiar with the teachers and courses. Spend time training in several high-interest classes. Interview the Director. Students who enroll should be hard-working, responsible and enthusiastic. Note: Students who take the Full-Day class can work as Jr. Aides in Session II or III of the same summer (2024) for Community Service hours if they choose to do so. Students who successfully complete ½ day course in Session III can be Jr. Aides for a week in the following summer (2025).

Amazing Races **I PM: Gr. 4/5/6** **II PM: Gr. 4/5/6**
Instructor: Lindsay Joubert

Our version of The Amazing Race TV show, this course involves 32 exciting indoor and outdoor challenges in friendly competition. Compete individually as well as with partners to earn tokens to redeem at the end of the course. Some tasks require physical skills, some tap mental abilities. All are fun and thought-provoking. Examples: a long distance target toss, scavenger hunt, match the flags, and more.

Animal Studies **III P.M. Gr. 3/4/5**
Instructor: To Be Determined

Do you love animals and want to learn more about them? This course, designed for older students, gives you that opportunity. Did you know that horses are used to help children and adults with special needs and other challenges? Find out how and why we train service animals and meet a miniature therapy horse who visits your classroom! Enjoy exciting activities and crafts as you explore animal-related careers as well as animal care and habitats. \$15 materials fee.

NEW! **Animation: Bringing Drawings to Life** *Special Offering: \$425*
Instructor: Tinker & Create **IIAM: Gr. 3/4/5/6** **II PM: Gr. 3/4/5/6**

Explore the skills needed by any young artist, animator, or game concept designer. With pencils, paper, the Blender animation platform and plenty of imagination, you can bring an idea to life. Tap your creative instincts to write, create, and direct an animated short film! In designing your characters and worlds as a young director, learn to be aware of forces acting upon objects, how to render lines of action, and think in a three-dimensional way. Use animation principles and film basics, including scene-blocking and editing, to deepen your knowledge of design, film, and animation.

App Inventors *Special Offering: \$295* **III A.M. Gr. 4/5/6/7**
Instructor: Circuit Lab Staff

Do you want to know how the apps work on your phone or iPad? Or do you already have the next great app idea and just need to know how to make it? In this no-experience-required course, use MIT App Inventor software to make fun, creative apps for Android phones and tablets. Learn the programming and design aspects of creating great apps and build apps of your own with the support of Circuit Lab instructors. (No phone or tablet required.)

ALL DAY **Art Inspirations** **I All Day Gr. 4/5/6**
Instructor: Mary Murphy

What inspires YOU??? Create artwork that reflects your personal style and inspires others. Visit the world-famous Addison Gallery of American Art in Andover and have a picnic lunch on the lawn. Stretch your own canvas; use acrylics to develop an abstract painting based on your personal impressions of your museum visit. Construct a handmade book to be used as a journal or sketchbook, using handmade, colorful papers. Create an Andy Warhol-style graphic design using personal images and computers; then mount this work on a large mat board. Other projects may include collage, fabric, photography with another local field trip, and more. Limit: 9 Cost: \$460. \$25 materials fee.

Author Author **II A.M. Gr. 2/3/4**
Instructor: Nicole Costello **III AM Gr. 2/3/4/5**

Have you ever wanted to write your very own hardcover book? Use the writing process to turn your creative thoughts into written words. Do art projects related to your writing and design a cover for your original alphabet-themed book, which you'll illustrate and "publish" by the end of the week. Add an "author's page." You will be proud to share this treasured book with family and friends. \$10 fee.

Bathroom Chemistry **I PM Gr. 1/2/3**
Instructor: Michelle Joubert **II PM Gr. 2/3/4**

Did you know there are at least 30 experiments that can be done using bathroom supplies? Explore a different bathroom theme each day: Diaper Day, Toilet Paper Tuesday, Weighing Wednesday, Tub Thursday, and Miscellaneous Messy Friday. Make and take something home each day, such as diaper goo, tin boats, Magical Ivory soap and a unique tie dye made with only bathroom supplies. A fun class with lots of experiments to keep you excited. \$15 materials fee

Beautiful Junk **II AM: Ages 4/5/6**
Instructor: Pam Dyer **II PM: Ages 4/5/6**

Turn trash to treasure and make beautiful creations out of recycled materials. Turn jugs into lanterns. Design wind chimes from cans and recycled metals. Create a beautiful collage by cutting straws to different lengths and attaching them vertically to make a mosaic. Did you ever construct a cardboard tube sculpture? Art can be made from newspapers, bottle caps, Styrofoam, bubble wrap, and more. The fun and creativity are endless!

Bugs, Butterflies and the Great Outdoors **III All Day Ages 3½/4/5**
Instructor: Pam Dyer

Ready for an amazing week of exciting outdoor adventures? Explore the world of insects through art, songs, yoga and literature. See bugs in their natural environment as we go on a real "bug hunt!" View a worm farm, ant farm and a butterfly garden! Keep a nature journal and make a delicious bug snack. Investigate weather and learn how rain clouds work. Make wind chimes. Make rainbow crayons with the sun's help. Create art from nature, draw shadow objects, and much more!
 Cost: \$460. Materials: \$15

Camping Out **II AM: Ages 5/6/7**
Instructor: Jennifer Montgomery or Molly Prudden **III A.M. Ages 5/6/7**

You don't need to go very far to go to summer camp! Join this exciting, newly revised, mostly outdoor class and take adventure-filled hikes around the Pike campus. Use team-building skills to solve challenging problems. Put up a tent and spend part of each day "living" in it. Other activities include "building a bird's nest," "mud painting" and making yummy s'mores. Please wear old clothes for this "hands-on," mostly outdoors course! \$15 materials fee.

Candy-Making *Special Offering: \$295* **I A.M. Ages 5/6/7/8**
Instructor: Mimi Queen, Sweet Mimi's Chocolates

Welcome to Candyland! Make your own delicious, colorful chocolate pizza, decorated with penny candy. Use chocolate to paint lollipops. Create two types of Rice Krispies treats! It may not be barbecue season, but let's make s'mores. Enjoy five days surrounded by cookies, chips, marshmallows, and fruit. You will never want to leave. Delicious goodies are taken home at the end of each class. \$20 food fee.

Cartooning & Illustration **III AM Gr. 1/2/3**
Instructor: Lisa Buglione **III PM: Gr. 3/4/5/6**

Calling all Superheroes and Anime lovers! Learn the step-by-step process of creating your favorite cartoon characters from Disney Classics to LOL or the Avengers. Invent new imaginary characters and give them a story! Create a comic book using illustrations you have designed and take home a portfolio of your completed work.

**Older Group uses basic illustration process to create gaming and anime characters, then uses more advanced techniques to prepare work for computer animation.

Chess *Special Offering: \$295* **I A.M. Gr. K/1/2/3**
Instructor: Natalie Cherbenok **I P.M. Gr. 3/4/5/6**
II AM Gr. 1/2/3/4/5/6 Advanced (ONLY for those who took class in Session I)
II PM: Ages 5/6/7

Learn this fascinating game from renowned player/coach, Natalia Cherbenok. Improve your concentration, self-discipline, and confidence as you have fun and meet new friends. Develop important new skills such as critical thinking in a changing environment. Earn points for prizes on Friday. Open to all skill levels; beginners welcome! Children who take #31 or #58 in Session I can also register for the advanced class (# 87) in Session II.

Circuit Makers 101 *Special Offering: \$295* **I PM: Gr. K/1/2**
Instructor: Circuit Lab Staff **II P.M. Gr. K/1/2**

Get creative with electricity! Create your own electronics. Design custom light-up greeting cards, electric games, mazes, and even musical instruments. Each day consists of a circuitry lesson and hands-on project, using components like lights, buzzers, switches, motors, and sensors. Create projects, some of which can go home, that increase your knowledge of electronics and make you very proud of your new skills.

Circuitry and Coding: From Flashlights to Robots
Fireworks: July 1,2,3,5 **All Day: Gr. 1/2/3/4**

Instructor: Circuit-Lab Staff
 Combine two of Circuit-Lab's most popular courses (Circuit Makers and Robot Commanders) for four full-days of fun! Engage in active, playful activities as you learn to build introductory circuitry projects and write computer programs that communicate with robotic devices. We will turn wires, batteries, lights, motors, and switches into hands-on projects that can move on their own, light up, and fly! Using the power of code, we will make Unruly Splats into interactive relay races and voting machines, and Sphero SPRK+ robots into Magic 8 Balls, automated Red Light / Green Light games, and the arcade classic Pong. \$395

Color Splash **Fireworks: July 1,2,3,5,**
Instructor: Lindsay Joubert **All Day: Gr. 1/2/3**

A week of colorful and active adventures. Each day is a new step into a world of color. Enjoy activities such as making tie dyed t-shirts and ceramic painting. Join a colored water bucket race. Have fun with water balloons, chalk dust, balloon hats, shaving cream, color trivia, slime and obbleck. Cost: \$395

Colorful Cooking *Special Offering: \$295* **I A.M. Gr. 2/3/4/5**
Instructor: Hema Patel **I P.M. Gr. 1/2/3**

Explore the rainbow as you create a colorful food palette. Each day focuses on foods of a particular color, such as red, blue/purple, yellow/orange or green. Make and eat your edible art using fruits, vegetables and more. Tickle your taste buds with cakes, pastries and delicious, unique vegetable caviar. We even sprinkle in a few science experiments, including color change chemistry. You will love this creative and yummy course! NO FOOD ALLERGIES, PLEASE. \$20 food fee.

Before submitting your form, please be sure that the age/grade level of your child corresponds to the requirements of each course. Grade levels refer to the 2023-2024 school year, NOT the grade your child will be entering in the fall of 2024. Classes are carefully designed by teachers to meet the skills and maturity expected at specific grade levels. Enrollment cannot be completed if this information is not correct. If you have questions, please contact Christa at (978) 494-3978 before attempting to register. Thank you!

NEW!

ALL DAY

ALL DAY

ALL DAY

Concert Tour

Instructor: Susan Consoi

Did you ever wish you could join a singing group? Here's your chance! Your director is an experienced music teacher and singer who will help you take your show on the road! Join other interested singers as you "tune up" your vocal skills. Learn about pitch, proper breathing and rhythm. Boost your confidence and learn arrangements of popular songs, including many favorites from Broadway musicals. Learn about solfege, a system where every note of a scale is given its own unique syllable, which is used to sing that note every time it appears. Create drawings and artwork to complement each song. Perform in a concert on Friday to showcase your talents!

I PM: Gr. 2/3/4/5
II PM: Gr. 3/4/5/6

Construction Zone

Instructor: Molly Prudden

Caution! Wear your hard hat! Become a carpenter as you use paper, LEGO, boxes and more to build imaginary houses and towns. Be an Eskimo as you use sugar cubes and glue to construct an igloo. Listen to poems, songs and stories as you build an adobe house, a castle, and "brick" wall. Create a marble tower. Play "crane tag." Build sculptures out of clay. Construct gumdrop creations. Don't miss the fun! \$10 materials fee.

III A.M. Ages 4/5
III P.M. Ages 4/5/6

NEW! CSI Investigations

Instructor: Michelle Joubert

Assume the role of a crime scene specialist in this interactive class that immerses you in a crime scene. Explore cutting-edge methods of investigating, including fingerprint and "blood" spatter analysis. Form your own hypothesis in order to solve (G-rated) "crimes". Become part of the CSI team. Step into a crime scene, use scientific inquiry to identify and analyze evidence, test your hypothesis, and solve the crime. Find out what really happened!

III AM Gr. 4/5/6

Dance Showcase

Instructor: Megan Linzer

Dance Showcase is an active musical journey through different styles of dance. Have fun with foundational styles like ballet, modern dance, tap, hip hop and jazz. Experiment with improvisation and creative warm-up techniques. Decorate a T-shirt throughout the week. Wear it for your final showcase, which will be filmed for you and your family to enjoy after the course ends.

II AM: Gr. 2/3/4/5/6
II PM: Gr. K/1/2

Digital Video Game Design *Special Offering: \$425*

Instructor: Tinker and Create Staff

Have you ever thought about creating your own video game?

Use The Unreal Engine, a game development platform that's great for creating 2D and 3D games. Learn about scene and character design, computer programming, story crafting and writing, a bit of physics and math, and, most importantly, imagination. Build a game with the class; then take off and create one of your own. Your new skills can later be applied to other disciplines, like graphic design, architecture, physics, math, fine arts, writing computer programming, and engineering. On Friday, present your original game to your classmates and see what they have created as well. No previous coding experience needed.

I AM: Gr. 3/4/5/6
I PM: Gr. 3/4/5/6/7

Discovering Dinosaurs

Instructor: To Be Determined

Take a trip far back in time and meet the prehistoric reptiles and gentle giants that roamed the earth. Come aboard our Kaleidoscope "dinosaur train" and discover amazing facts as you travel through the Triassic, Jurassic, and Cretaceous periods. Who will you see there? Tyrannosaurus Rex? Brontosaurus? Pterodactyl? Who were our first feathered friends? This is a hands-on course where artwork and stories help create a deeper understanding of these fascinating creatures from our past. \$15 materials fee.

II P.M. Ages 4/5/6

NEW! Disney Delights

Instructor: To Be Determined

Come spend a magical week with Mickey and all his friends! Read favorite Disney classics, help Elsa rebuild Olaf, and visit Motunui with Moana and Maui. Go on an adventure like Rapunzel and travel around Radiator Springs with Tow Mater and Lightning McQueen. Take a trip to Neverland with Peter Pan and Tinkerbell. Cook up some delicious treats with Tiana, and more! And remember, we don't talk about Bruno! \$15 materials fee.

II A.M. Ages 3 1/2/4/5

NEW! Dwelling Designs

Instructor: Latisha Cordero

Decorating our homes and rooms is fun and can lift our spirits, too! Why not make some decorative accessories yourself? Sun catchers, wind chimes, wall art, and other trinkets can help create a new feeling in your room. Explore color, mood, and design and discover ways to improve a space where you spend a lot of your time. \$10 materials fee.

III AM: Gr. K/1/2
III PM: Gr. 3/4/5

Doctors in Training

Instructor: Megan Linzer

Explore four different medical specialties (pulmonology, cardiology, neurology, and orthopedics) and learn about the anatomy of the human body. Build model robotic hands, construct your own cast, determine your lung capacity, learn how to take vitals, and diagram the human brain.

I A.M. Gr. 3/4/5
III PM: Gr. 3/4/5

Domino Physics

Instructor: Peter Bloom

For kids who love to build, create, and find practical applications for scientific discovery, we are excited to offer an all-day week-long Domino Physics course, led by Peter Bloom, the original domino physicist. Combine principles of physics and engineering as you construct ENORMOUS chain reactions using thousands of dominos, marbles, tracks, mechanical toys, electronic devices, and other props. Working solo and as part of a team, you'll learn tricks of the trade for creating stunning and effective domino chaining. What can you get your falling dominos to do on the way down? Cost: \$460. \$15 materials fee.

II All Day Gr. 3/4/5/6
III All Day Gr. 1/2/3/4

Engineering/Architecture: Model Barns

Instructor: John Chamberlain

Build models of 3D barns! We will use craft sticks, safe "Super Cool" (ultra-low temp) glue and glue guns. Frame your barns and raise your "beams" from the ground up, connect vertical frames, and add supportive truss work. Accessorize your barns with stairs, ladders, haylofts, doors, and weathervanes as you learn about architectural principles and styles. \$20 materials fee.

I P.M. Gr. 2/3/4/5

Engineering/Architecture: Model Boats

Instructor: John Chamberlain

Build models of 3D boats! Use craft sticks, safe "Super Cool" (ultra-low temp) glue and glue guns. Frame and brace your boat structures; add sides, bows, oars, masts, and sails. Listen to Viking myths as you make Viking longboats. Create authentic 18th century pirate ships with cannons, captain's decks, masts, and sails. \$20 materials fee.

I A.M. Gr. 5/6/7

Fairy Houses

Instructor: Donna Woods

Calling all nature lovers! Based on the popular Fairy House book series by Tracy Kane, this course helps you appreciate nature's treasures. Spend half of each day outside as you use your imagination to build our first custom handcrafted Kaleidoscope Fairy House. Fairy houses are small structures for the fairies and nature's friends to visit. Make a fairy boat with recycled materials. Be science investigators; follow the pixie dust trail on a nature scavenger hunt. Play "I Spy Nature Bingo." Create a pine cone spider. Discover and observe nature and habitats during this week-long adventure! Fairy house builders are clever, mischievous and playful. Come share the MAGIC! Cost: \$460. \$35 materials fee.

I All Day Ages 5/6/7

Fashion Design Challenge

Fireworks July 1,2,3,5 Full Day

Session II All Day

Instructor: Aislinn Cantin (Fireworks)

Linda Mele (Session II)

Gr. 4/5/6/7
Gr. 2/3/4/5

Fashionistas: Join this exciting Fashion Design program. Each day is a new adventure, a new design challenge! Bring a plain white T-shirt on Monday and explore all of the ways to redesign a plain clothing item! Create mood boards and sketch a fashion collection. Make a pillow, purse, elastic waist skirt, pajama pants and more! Learn to use a sewing machine and the basics of clothing construction. Grand finale is a student-produced fashion show!

Cost: Fireworks \$395 + \$20 materials fee
Session II All-Day: \$460 + \$25 materials fee

Fashion Design Junior

Instructor: Aislinn Cantin

Calling all aspiring fashion designers! This class is an exciting introduction to all the possibilities of fashion design, with no sewing experience needed! Get inspired by famous designers and fashion history, create mood boards, and use this inspiration to sketch fabulous fashion collections. Complete design challenges both individually and collaboratively. Bring a plain white t-shirt and explore all of the ways to redesign a plain clothing item! \$15 materials fee

III AM Gr. 1/2/3/4

Fencing *Special Offering: \$295*

Instructor(s): Vivo Fencing Club coaches

I A.M. Gr. 2/3/4
I P.M. Gr. 4/5/6/7
(minimum age 7)

Star Wars, Princess Bride, Shrek and more—Have you ever wanted to wield a sword and learn to fence? Receive skilled instruction in this Olympic sport from a World Champion and coach! Learn footwork, blade work, skills training, fencing game, and, of course, fencing bouts to test your new skills. Fencing teaches focus, athleticism, coordination, and strategic thinking. A great combination of fun and instruction all in one. All equipment use is included as well as non-competitive membership in the U.S. Fencing Assn.

Folding Frenzy

Instructor: Lindsay Joubert

Have you ever folded toilet paper into a flower? A bath towel into a duck? A dollar bill into a ring? Paper into a wreath? Create origami animals, frames and flowers. Use recycled paper to make your own stationery. Make Cootie catchers. Enjoy all kinds of folding and cutting and take many projects home to share and enjoy.

I AM: Gr. 2/3/4
III PM Gr. 2/3/4

Geology

Instructor: Zoe Hastings

Experience the exciting world of mineral studies. Identify various rock types and conduct field-safe labs using natural materials and gemstones. Make mineral jewelry, open a real geode, and make your own crystals. Act like an archaeologist and uncover rocks and fossils using your own dig kit. \$15 materials fee.

I A.M. Gr. K/1/2
II A.M. Gr. 1/2/3

Gone Fishing *Special Offering: \$695*

Instructor: Matt Walsh

By popular demand, Gone Fishing is now a full-day class, culminating in a Deep Sea adventure on Friday. Would you like to learn basic fishing skills? Join our "school" of anglers and visit different ponds and sites in the local area. Discover how to identify good fishing locations. Learn knot-tying as well as lure selection and techniques. Study flora and fauna and better understand the food chain. Bring your own freshwater rod and reel; hooks, bobbers, bait and lures will be provided. Fee for Deep Sea fishing trip and pole rentals on that day included, as well as transportation every day.

III All Day Gr. 5/6/7

Guitar Escapades

Instructor: Mary Krikorian

Join this musical adventure and learn the basic foundational skills needed to play the amazing guitar. Instructor is an experienced elementary music teacher who brings many junior-sized guitars for you to use. Have fun playing simple tunes alone and with others. Learn familiar folk tunes as well as some rock 'n roll! Limit: 10 \$10 instrument fee.

I AM: Gr. K/1/2
I PM: Gr. 1/2/3/4

Hair Design

Instructor: Linda Mulligan

Do you enjoy experimenting with different hairstyles? Have fun changing your "look". Learn some beautiful, unique braiding techniques. Make barrettes, scrunchies, ribbons, and other decorative items. Find out which hair care products are good (and bad) for you. Take turns being a "model" and a hairdresser. \$15 materials fee.

I P.M. Gr. 3/4/5/6

Hands-On Electronics *Special Offering: \$295*

Instructor: Circuit Lab Staff

Tinker with electronics as you learn the basics of computer programming. Experiment with the fundamentals of electronics and circuitry, then step up to projects where you design your own interactive and programmable devices. Use the latest tools including Arduino (for building interactive devices) and Raspberry Pi (for learning about computers and coding). Experiment with LEDs, resistors, motors, and programming. Each day you can design a hands-on project with the guidance of your instructors.

I AM Gr. 2/3/4

Hats Off!

Instructor: Emma Dyer

Discover and create the hats of police officers, firefighters, doctors, nurses, construction workers, mail carriers, crossing guards, and many more helpers who keep us safe and make our communities special places. Enjoy days filled with music, creating, and dramatic play. You will even meet a real police officer! The possibilities are endless!

I PM Ages 4/5/6

Interactive Circuitry and Coding with Scratch &

Makey Makey *Special Offering: \$295*

Instructor: Circuit-Lab Staff

Explore Scratch programming, using the MIT-developed programming interface to craft stories and games. The real magic happens with Makey Makey, which lets you use everyday objects to invent new ways to interact with the Scratch projects! Customizable circuitry projects become physical musical instruments, video game controllers, pressure sensors, and more. Learn valuable 21st Century skills while engaging in these fun, creative lessons. Collaborative project challenges enhance teamwork skills and inspire critical thinking. No prior programming experience required.

II PM Gr. 2/3/4

International Young Chefs

Instructor: Bonnie Wheelwright

Join us as we travel the globe and create foods from around the world. Visit Mexico, Italy, India, Africa and China. Learn about these cultures through art, music, crafts, literature and, of course, FOOD! Make a flag and have your passport stamped as we visit each country. NO FOOD ALLERGIES, PLEASE. Limit: 10 \$20. food fee.

Jedi Training Camp

Instructor: Ben Maccarone

Are you a "Star Wars" fan? Spend an adventurous week at our Jedi training camp. Make your own costume. Create a light saber from a pool noodle. Conquer an obstacle course; travel to a galaxy far, far away and make pit stops at several planets. Create replicas of those planets using shaving cream and food coloring. Defeat the Sith in a game using nerf balls. \$15 materials fee.

Jewelry-Making

Instructor: Megan Linzer

Do you have an artistic side? Express it creatively through jewelry-making. Design fashionable necklaces, charm and friendship bracelets, barrettes, pins and more. Use beads, shells and many other materials. You even decorate a jewelry box for storing your new treasures. \$20 materials fee.

NEW! Join the Circus

Instructor: Emma Dyer

What's happening under the Big Top? Join Ringmaster Emma for a fun-filled week, including ring toss, stilt-walking, clowning, face-painting, balloon animals, games, and crafts. Enjoy popcorn, animal crackers and lemonade. Walk the tightrope, learn to juggle, and even become a clown! \$10 materials fee.

Kitchen Chemistry

Instructor: Michelle Joubert

Explore many different creations that can be made with simple kitchen items, such as Ivory soap, marshmallow peeps, yeast, baking soda, lemon juice and more. Watch the reactions that occur when particular ingredients are mixed together. Bubbling, melting, oozing and erupting are just a few things you will observe. Participate in "hands-on" experiments and create science projects, such as a "wave in a bottle." \$15 materials fee.

LEGO City Planning

Instructor: Eric Kingsley, Brickapalooza

Work individually and in small groups to plan and build the most enormous LEGO city you have ever seen (unless you have gone to Legoland). Learn what is required to run a town and how certain services are strategically located. Include police, fire, schools, public works; add ball fields, utilities, hospitals, banks, sidewalks and more. Consider how to adapt structures for natural disasters like hurricanes and earthquakes. Watch in amazement as your city grows bigger each day. Cost: \$460

LEGO Engineering *Special Offering: \$295*

Instructor: Brickapalooza Staff

Build towers and bridges. Create boats and planes and understand what makes them float and fly. Spend a day exploring space with thousands of LEGOs by your side. Build amazing cars as you learn about gravity, friction and momentum. Race your car against others down the Brickapalooza ramp! Also, learn about centrifugal force as you make spinners (tops) of all sizes.

LEGO Remote Control *Special Offering: \$295*

Instructor: Brickapalooza staff

Build complex remote-controlled vehicles as you learn about simple machines and mechanical concepts. Work in teams to complete many different and exciting challenges, including relay races. Your LEGO machines will be powered by motors with battery boxes as well as infrared remote-control components. Cooperative team learning is a key part of this learning experience. What can you do and create to help lead your team to victory?

LEGO Robotics *Special Offering: \$295*

Instructor: Brickapalooza staff

Finally... an opportunity for LEGO lovers to advance their skills to the next level! Design, build and program your projects: animals, vehicles, even a mini golf course with obstacles! Use WeDo Robotics Construction Sets to program motors that enable your projects to move. Add tilt and light sensors. For example, your alligator's mouth could open and close based on the amount of light in the room! Course includes science, technology, engineering, and math, as well as language and literacy skills.

LEGO Space Adventures

Instructor: Eric Kingsley, Brickapalooza

Lego-lovers acquire new engineering skills in this creative building course. Learn how modern and ancient structures work and how they were built. Experiment, test, design and improve amazing "wonders," such as the Great Wall of China, the Empire State Building, the Pyramids of Giza, the Golden Gate Bridge and more. Spend four exciting days creating Lego masterpieces. Can you think of a "wonder" that YOU can invent? Cost: \$395

NEW! Little Picassos

Instructor: Donna Woods

Young artists explore fine art through great picture books and become the artist. Create with clay, oil, pastels, paint, paper, shaving cream and watercolors. Paint "En Plein Air" (French for painting outside). Take home a portfolio filled with frame-worthy pieces. Create a painter's palette and art journal, too! "Every Child Is An Artist!" (Picasso). \$15 materials fee.

Little Musical Theatre

Instructor: Shannon Eldridge

Join the world of musical theatre; show off your singing, acting, and dancing talents. Through the use of warm ups, fun games, and improvisation we will explore what it means to be a true triple threat! Class will feature basic vocal technique, plenty of acting exercises and choreography. Students will use these skills to create polished performances of some classic children's songs and stories!

Magic School Bus Adventures

Instructor: To Be Determined

Travel through the amazing world of science as you join "Ms. Frizzle" aboard our magic school bus. Make a thunder and lightning storm. Use camouflage as you hunt for "hidden" objects. Explore optical illusions. Take a jelly bean taste test. Create your own boat while testing floating and sinking objects. All experiments are connected to the wonderful Magic School Bus books. Don't miss the adventures! \$10 materials fee.

Magnets, Motion and More

Instructor: Emma Dyer

Science is all around us! Conduct active experiments that provide you with a deeper understanding of force, motion, balance, etc. Have fun as you learn about magnets. Build marble runs with pool noodles, toothpick towers, and create a catapult. Who knew how much fun the Laws of Motion could be??

III A.M. Ages 4/5

III P.M. Ages 4/5/6

II A.M. Gr. K/1/2

III P.M. Gr. K/1/2

I PM: Gr. K/1/2

III A.M. Gr. K/1/2

I AM Ages 3 1/2/4/5

I AM: Gr. 1/2/3 II A.M. Gr. 1/2/3

III P.M. Gr. 1/2/3

II All Day

Gr. 1/2/3/4

III P.M. Ages 5/6/7

I P.M. Gr. 1/2/3

I A.M. Gr. 2/3/4

Fireworks: July 1, 2, 3, 5
Ages 5/6/7/8

III A.M. Ages 4/5/6

III A.M. Gr. K/1/2

III P.M. Ages 5/6/7

II PM: Ages 5/6/7

III PM: Gr. K/1/2

Make It, Shake It, Bake It

Instructor: Molly Prudden

Visit a different biome (e.g., desert, rainforest, tundra) each day and enjoy make it, shake it and bake it activities! Make exciting and unique projects, including jungle slime and desert animal play dough. Shake it: Get great exercise, indoors and out, as you play games like Rainforest Relay, Desert Camouflage and Arctic Scavenger Hunt. Bake it: Create and eat fun food projects, including monkey muffins, campfire cupcakes and snow cones. Combine physical activity, food preparation and project-based learning with important science concepts. NO FOOD ALLERGIES, PLEASE. Don't miss it! \$460 + \$20 materials fee.

Marble Machine Madness *Fireworks: July 1,2,3,5 All Day Gr. 2/3/4/5*

Instructor: Peter Bloom

The longest and fanciest "marble" run you will ever build awaits your helping hand. Using an eccentric combination of cardboard ramps, metal tracks, plastic tubes, funky tunnels and yards of duct tape, you and your teammates will work together to create the ultimate Rube Goldberg-style machine, designed to keep your golf ball in motion for as many seconds as possible. What tricks can you convince a golf ball to perform on its way down from high to low? Find out when you join us for this sister course to Domino Physics. Fireworks week: \$395. Session I: \$460.

Math Challenge

Instructor: Ben Maccarone

Do you love numbers, patterns, and shapes? Enjoy literature-based geometry explorations. Tackle math story mysteries, riddles and games that help you become an expert problem-solver. Improve your graphing and data analysis skills as you have fun with other enthusiastic math lovers. Create and play games to go along with each concept. Depending on students' readiness, topics covered may include number sense, fractions, patterns, telling time, multiplication, division, and data analysis.

Math Fun

Instructor: Ben Maccarone

Math isn't always fun and games...but it can be! Play exciting and interactive games to think mathematically. Practice counting skills, numbers, shapes, and basic facts. Play card, dice, board and computer games. Think logically to solve puzzles and problems. Develop reasoning skills while having fun!

Mechanical Engineering *Special Offering: \$295*

Instructor: Eric Kingsley, Brickapalooza

Use the Lego Technic building system to create motorized cars, fishing rods, street sweepers, scales, and a working Grandfather clock as you learn about gear ratios, levers, pulleys, and more. Some models incorporate motors; all explore engineering principles. Work in small groups to build mechanisms and improve on your designs. Measure distance, time, speed, and weight. What do you need to consider when you want to climb a steep hill with a car vs drive fast on a flat surface? Improve your critical thinking skills.

Minecraft Exploration *Special Offering: \$595*

Instructors: Empow Studios Staff Fireworks All-Day July 1,2,3,5 Gr. 3/4/5/6

Minecraft isn't just for video gamers. It's for designers, artists, and engineers! Explore the basics of art, architecture, animation, and even electrical engineering with the patented Redstone circuitry. Build your own Minecraft world or collaborate with a group on a shared world. Take home digital files so that you can keep exploring your world after class has ended. Learn to play and play to learn with our exciting Minecraft class!

Minecraft Modding with MCreator *Special Offering: \$425*

Instructor: Empow Studios Staff

Take a deep dive into Minecraft modding! Using MCreator software, you can alter ("mod") existing characters and designs and build new, highly customized armor, tools, and building blocks. Then, create more complicated modded objects such as volcanoes, waterfalls, new dimensions, or even a game version of yourself. Class is perfect for anyone who loves Minecraft and wants to have even more control over what they can build.

Musical Theater Performance Showcase

Instructor: Shannon Eldridge

Let your creativity take flight through drama, singing, and dance! Jump into the magical world of musical theater by exploring dance choreography, vocal technique and how to portray a character. Become a true triple threat through warm-ups, group activities, theater games and performance. By the end of the week, take center stage and shine as one of the showstoppers in our cabaret-style class showcase! Fireworks week: \$395.

Musical Theater: *The Emperor & the Nightingale*

Instructor: Jeff Caron (One-Week intensive)

This "back by popular demand" course goes beyond fun and games, and allows serious actors to rehearse and perform a full-length, one-act musical. You can also participate "behind the scenes" if you prefer. Participants will audition for roles, learn all their lines, songs, and choreography, and present the musical to a live audience in our beautiful air-conditioned theater on Friday afternoon at 2:45 P.M. Cost: \$460. \$20 materials fee.

Nail Art

Instructor: Linda Mele

Have fun learning basic manicuring and nail art designs. Experienced cosmetology instructor will teach first-hand the tricks that the professionals use. Basic manicuring will provide you with the guidelines needed in personal hygiene, as you learn how to perform manicures on one another. Create multiple nail art techniques include striping and water tie-dyeing. These nail art designs will be framed so you can take them home to proudly display. (Nails will not be applied to hands.) \$15 materials fee.

Nature Yoga *Special Offering: \$295*

Instructor: Michelle Powers

From Downward Facing Dog to Tree Pose... come explore and connect with nature during this fun and interactive yoga camp. Enjoy scavenger hunts. Do rock painting. Create birdhouses. Go on yoga walks and learn mindful walking. Make dreamcatchers and nature mandalas. It's all about yoga and the great outdoors. This class was a HUGE hit last summer! \$10 materials fee.

Nature's Secrets

Instructor: Sue Brenner

Are you excited and curious about the world around you? Join our scientific journey as we explore the wonders of nature. Learn about flowers, trees, birds, insects and more! Participate in a nature walk, paint beautiful flowerpots, plant herbs, decorate bird houses, prepare an edible bird nest for snack and create a jar of glittery fireflies. Enjoy stories and songs while you learn about the great outdoors and try to solve mysteries of nature! \$10 materials fee

I All Day: Ages 5/6/7

I All Day Gr. 3/4/5/6

III A.M. Gr. 2/3/4

II P.M. Gr. K/1/2

III A.M. Gr. 3/4/5

Gr. 3/4/5/6

Special Offering: \$425

I PM Gr. 2/3/4/5

Fireworks: July 1, 2, 3, 5

II All Day Gr. 5/6/7/8

I A.M. Gr. 4/5/6

II P.M. Gr. K/1/2

III P.M. Gr. 1/2/3/4

II A.M. Ages 4/5/6

II P.M. Ages 4/5/6

Painting Outside the Box

Instructor: Lisa Buglione

If you love to think and paint "outside the box" then this class is made for you! Join the fun as we explore unique ways of painting used by famous artists. Paint with coffee grounds like Leonardo da Vinci. Mix eggs with paint like Michelangelo did. Use a wide variety of mediums to create texture and collage, as well as 2D and 3D art. \$15 materials fee.

I AM: Gr. K/1/2
I PM: Gr. 3/4/5/6

Pets and Pet Care

Instructor: Christa Ritter

Meet some very friendly live pets and learn important information about their care. Find out how to choose the right pet for you and your family. Learn how to understand animals' body language. Use funny pet pictures to create crafts; decorate a food bowl; make delicious pet treats and clever toys. This course is a pet lover's dream! \$15 materials fee.

II A.M. Gr. K/1/2

Potter Power

Instructor: Angela Bellini

Welcome to Hogwarts Mania, where you are immersed in the fictional world of Harry Potter. Begin by being sorted into one of four houses. During this magical week, experience potion-making, magic wands, charms, care of magical creatures, and transformations (using model magic). Play games such as Harry Potter Trivial Pursuit, where you can earn points for your houses. Who will win the House Cup? \$20 materials fee.

II P.M. Gr. 3/4/5/6
III A.M. Gr. 3/4/5/6

NEW! Printmaking

Instructor: Aislinn Cantin

Explore the artistic medium of printmaking! Channel your creativity in drawing into colorful prints. Investigate nature and find plants to use for stamps, sun prints, and even fabric dye! See how everyday objects such as shaving cream and bubble wrap can be used to make beautiful patterns. Use chemistry to see how things like soda and vinegar can make art. \$20 materials fee.

II PM Gr. 2/3/4/5

NEW! Roblox Game Design & Coding

Special Offering: \$425

Instructors: Empow Studios Staff

Let your imagination run wild as you build your very own world in Roblox! Use Roblox Studio to create your own video game in the form of an Obby (short for obstacle course). Experiment with specific tasks and movements. Create realistic landscapes with terrain tools. Use Lua, Roblox's programming language, and experiment with coding game mechanics. Games are stored online, so you can publish, share, and play them with friends. Explore the basics of video game design on one of the most popular platforms in the world!

II AM Gr. 2/3/4/5

Robot Commanders

Special Offering: \$295

Instructors: Circuit Lab Staff

Understanding how software can interact with robots is a key skill for the STEM jobs of tomorrow. Engage in active, playful activities as you learn what it means to write, debug, and execute computer programs that communicate with different robotic devices. Using the power of code, turn Sphero SPRK+ robots into Magic 8 Balls, automated Red Light / Green Light games, and the arcade classic Pong. The Unruly Splat will become our voting machines, relay races, guessing games, and more.

III PM: Gr. 1/2/3

Science or Wizardry?

Instructor: Alyse Trevor

Is seeing believing? Have you ever boiled an egg with your finger? Played a melody on a drinking straw? Have you grown crystals and/or created a crystal ball? Taken a picture with the sun? Can you take water for a walk? Make amazing scientific discoveries as we create and experiment with the elements around us! \$15 materials fee.

II A.M. Gr. K/1/2
II P.M. Ages 5/6/7

NEW! Science Wonder Lab

Instructor: Angela Bellini

Are you curious about the world around you? Do you like to explore your surroundings and break down how things work? Exciting explorations, delightful discoveries and wild wonders await you! Kaleidoscope scientists spend the week exploring a different field of science each day: earth science, space science, chemistry, biology and physics. Dive in and explore each of these amazing branches of science with hands-on activities, labs, projects, experiments, and so much more. \$15 materials fee.

II AM Gr 2/3/4
III PM Gr 2/3/4

NEW! Sculpture & Clay

Instructor: Lisa Buglione

Would you like to construct 3D projects using materials like recycled items, sand and snow? Make animals, flying objects and more! Use different materials, tools & techniques as you build a sandcastle that won't wash away and snow sculptures that will not melt. Explore the fun of polymer clay by making your favorite foods and turning them into jewelry. Make "mystery clay" to take home at the end of the week. \$20 materials fee.

II AM: Gr. 3/4/5/6
IIPM: Gr. K/1/2/3

Seuss On the Loose

Instructor: Carly Dyer

The clever rhyming of Dr. Seuss helps to improve memory, vocabulary and imagination. Enjoy a different book each day and do exciting crafts and activities. For example, wear stripes or a favorite hat on "Cat in the Hat Day". Wear your clothes backwards on "Get Wacky" Day or put on silly or mismatched socks when we read "Fox in Sox". Don't miss the fun! \$15 materials fee.

III AM: Ages 3/4

Space Camp

Instructor: Donna Woods

Blast off into a new full-day adventure that includes outside learning and out-of-this-world fun! Join the Kaleidoscope space team. Learn fascinating facts about the sun, moon, stars, and planets. All new outdoor activities: spray paint galaxy art, astronaut maze, Mars mud-slime, moon rock scavenger hunt, star search game, and planet bean bag toss. Try a balloon rocket and catapult gravity experiment. Take home your space journal and travel bag filled with projects created during the week. Cost: \$460 Materials: \$25

II All Day Ages 5/6/7

Spanish

Instructor: Greg Blomgren

Have you ever wanted to learn another language or travel around the world? Join us as we "visit" Latin America and Spain, learning Spanish as we go! Meet Frida Kahlo and play Loteria in Mexico, dance with vejigantes and sing with coquís in Puerto Rico, draw like the Nezca in Perú, and make music with maracas and castanets in Spain. Come meet new amigos, be alegre, and habla español.

II AM: Gr. K/1/2

NEW! Spanish Level 2

Instructor: Greg Blomgren

Do you want to expand your Spanish skills? "Travel" across Latin America, practicing your Spanish as we go! Wade down the canal and make molas in Panamá, weave colorful fabric in Guatemala, dance merengue and bachata in la República Dominicana, and wear guancho sombreros and belts in Argentina. Meet new amigos, be alegre, and habla español. This course is open to those who have taken Spanish at Kaleidoscope (2022, 2023, or 2024) or already have a basic knowledge of the Spanish language. \$10 materials fee.

III AM Gr. 1/2/3/4

Storytelling Special Offering: \$425 III AM: Gr. 4/5/6/7

Instructor: Tinker & Create, Lina Feuerstein

III PM: Gr. 3/4/5/6

What do great storytellers have in common? Is it the fact that they use sensory images to describe their experiences and make their points? Learn about storytelling methods, the work of instructor Lina Feuerstein of The Words We Live By and the community of storytellers at This I Believe. Practice effective techniques that help you tell stories with clarity, confidence, and creativity. Create numerous stories, some individually and some collaboratively, and present them to the class. Have fun, learn, and practice to become a good storyteller and communicator! Communication is the key ingredient to success in any field; this course can help you in school and beyond!

STEM Challenges

Instructor: Alyse Trevor

Use STEM skills to explore science in fun and challenging ways. Build your own catapult, gumdrop domes and index card towers. Make slime and Alka-Seltzer rockets. Create balloon cars and participate in the famous egg-drop experiment. Play strategy games to build teamwork skills. Course combines chemistry, physics, engineering and a good dose of inquiry. \$15 materials fee.

III A.M. Gr. 3/4/5/6
III P.M. Gr. 3/4/5

Summertime Fun

Instructor: Sue Brenner

Investigate all of the things that make summer such an unforgettable season! Explore watermelon science. Create ice cream and popsicle art. Paint seashells and decorate sand buckets. Make fresh lemonade and create our own lemonade stand. Decorate colorful visors and sunglasses. Go outdoors to do sunshine shadow art. Capture the essence of summer in this sunny Kaleidoscope course. \$10 materials fee.

III AM: Ages 3/4
III PM: Ages 3 1/2, 4/5

Superhero Academy

Instructor: Carly Dyer

Boys and girls who love superheroes can spend a week immersed in art, stories, music and creative activities and games related to Batman, Spiderman, Wonder Woman and more. Create your very own superhero and give him/her special powers! Physical skills are also emphasized; our superheroes enjoy activities and friendly drills in throwing, catching, kicking, running, jumping and more. Play games that reinforce hand-eye coordination and conquer obstacle courses with your super skills. Receive your official Kaleidoscope superhero cape on Friday. \$460 full-day course in Session II ; \$220 for 1/2 day class in Session III. \$15 materials fee.

II All Day Ages 5/6/7
III P.M. Ages 4/5/6

Swiftie Academy

Instructor: Aislinn Cantin

Calling all Swifties! Spend a week immersed in each of Taylor Swift's eras. Sing and dance to Taylor Swift's music, taking performance tips from her shows. Learn about rhyme and figurative language through her music, and create your own songs and poetry based on Taylor's music. Make friendship bracelets and play games showing your love for Taylor Swift. Use math skills to decode Taylor's famous Easter Eggs. \$15 materials fee.

II AM: Gr. 1/2/3
III PM: Gr. 3/4/5/6

T-Shirt Madness

Instructor: Amy Demers

Join in the madness as we transform ordinary t-shirts into unique works of art using tie-dye, glow in the dark paints, colorful gems and more! Channel your inner designer as you personalize hats, pillow cases and tote bags. Bring three plain white shirts of your own to transform; receive two free Kaleidoscope T-shirts. Let the fashion madness begin! \$20 materials fee.

I A.M. Gr. 1/2/3

Trail Blazers Special Offering: \$695

Instructor: Matt Walsh

Did you know that Andover has rich conservation lands and trails where you can hike, explore, boat and enjoy nature? Investigate several of these locations. Canoe to an island in Foster's Pond. Visit a gazebo along the Shawsheen River. Look for birds and native animals. Walk along boardwalk trails; explore the Indian Rocks formation. Build a safe fire and make s'mores. Learn about the importance of land preservation. Price includes transportation every day.

II All Day Gr. 4/5/6/7

Ultimate Sports

Instructor: Lindsey Joubert

Play ball! Are you an active person interested in playing a variety of sport games? Join this new course filled with many different activities. Two sports each day . . . learn the rules and play, play, play. Sports include: basketball, badminton, tennis, disk golf/frisbee, floor hockey, wiffleball, kickball, flag football, and dodgeball. Have you ever played teniball (a cross between tennis and baseball)?

II AM: Gr. K/1/2/3
III A.M. Gr. 2/3/4/5

Under the Sea

Instructor: Sue Brenner

There is so much to explore Under the Sea! Learn about ocean life through science, creative art, music, movement, hands-on activities and wonderful literature. Create sea sculptures, sandy beach photo frames, colorful sand art and mini aquariums. UNH Marine Docs visit our classroom so that you can learn by touching live animals that are found on rocky shores: sea stars, crabs, hermit crabs and more! Dive into some deep sea fun with us! \$20 materials/ program fee.

I A.M. Ages 4/5/6
I P.M. Ages 4/5/6

Understanding Animals

Instructor: Pam Dyer

Pet a baby goat. Ride a pony! Learn about animals as you play games, sing songs, do artwork, learn animal yoga poses and listen to exciting stories. Find out where different animals live and how they survive. Amazing live animals visit, including a baby goat, duck, pony, bunnies and chickens from the farm! \$20 program fee.

I A.M. Ages 4/5
I P.M. Ages 4/5/6

Young Chefs

Instructor: Bonnie Wheelwright

Attention, young chefs! Step into the Kaleidoscope "kitchen," where you will be the chef as we explore the science of cooking through stories, art and hands-on activities. Measure, mix and create yummy edible treats. Make an apron and chef hat. Learn to roll out the dough, make cookies, pizza and other healthy snacks. Improve your cooking skills while having lots of fun. NO FOOD ALLERGIES, PLEASE. \$20 food fee.

I A.M. Ages 3/4 I P.M. Ages 3 1/2/4/5
II A.M. Ages 3/4 II P.M. Ages 3 1/2/4/5

YouTube Production Special Offering: \$425

Instructors: Empow Studios Staff

Learn the technology and skills to become a YouTube star in this exciting new class. Explore your own YouTube personality as you draft storyboard ideas, such as how-to videos, fashion videos, vlogs, video game walkthroughs, and more. Record the video that you plan. Learn editing techniques to complete your final video. Note: this class does not include creating a YouTube channel for each student. We recommend that families create their own channel outside of class if they choose to do so.

I AM : Gr. 3/4/5/6

Kaleidoscope



Where learning is
fun!



PARENT COMMENTS

"My son loved it there. He would actually say the night before that he couldn't wait to go the next day. That has never happened before!"

"Thank you for all the help and to the staff for taking (our son's) allergies into consideration! He's honestly loved every class this summer. I'm so glad he attended and this program was great for him."

IMPORTANT: Before submitting your form, please be sure that the age/grade level of your child corresponds to the requirements of each course. Grade levels refer to the 2023-2024 school year, NOT the grade your child will be entering in the fall of 2024. Classes are carefully designed by teachers to meet the skills and maturity expected at specific grade levels. Enrollment cannot be completed if this information is not correct. If you have questions, please contact Christa at (978) 494-3978 before attempting to register. Thank you!

2024 Pricing

REGISTRATION FEE @ \$40 PER FAMILY
EACH A.M. OR P.M. REGULAR COURSE @ \$220
EACH 1/2 DAY SPECIAL OFFERING @ \$295 or \$425
EACH FULL-DAY COURSE @ \$460
EACH FULL-DAY SPECIAL OFFERING @ \$595 or \$695
FIREWORKS COURSE (July 1,2,3,5) @ \$395
FIREWORKS MINECRAFT SPECIAL OFFERING @\$595
EARLY CARE (8:00-9:00 A.M.) @ \$50 PER WEEK
EXTENDED DAY (2:30-5:00 P.M.) @ \$225 PER WEEK
K.I.T.E. TUITION @ \$505

Visit our website at
www.kaleidoscopekids.com



Registration should be done online.
Payment can easily be made via Paypal or
credit card at this site.