



STEM Fundamentals

Alignment to Texas Essential Knowledge and Skills (TEKS)

Lesson 1: Flight Training

Curriculum	Standards
TEKS Science: Knowledge and Skills	112.5.1.(C), 112.6.1.(C), 112.7.1.(C), 112.5.8.(B), 112.6. 8.(A)
TEKS Mathematics: Knowledge and Skills	111.6.7.(C)
TEKS English Language Arts and Reading: Knowledge and Skills	110.6.b.1.B, 110.7.b.1.B, 110.22.b.1.B, 110.23.b.1.B, 110.24.b.1.B, 110.6.b.1.D, 110.7.b.1.D, 110.22.b.1.D, 110.23.b.1.D, 110.24.b.1.D
Careers/SEL	Search and Rescue
CSTA	1B-CS-02, 1B-CS-03, 1B-IC-18
ISTE	1d, 2b, 7c

Lesson 2: Fighting Fires

Curriculum	Standards
TEKS Science: Knowledge and Skills	112.5.1.(C), 112.6.1.(C), 112.7.1.(C), 112.6.11.(A)
TEKS Mathematics: Knowledge and Skills	111.26.12.(C), 111.6.8.(B), 111.6.8.(C)
TEKS English Language Arts and Reading: Knowledge and Skills	110.6.b.1.B, 110.7.b.1.B, 110.22.b.1.B, 110.23.b.1.B, 110.24.b.1.B, 110.6.b.1.D, 110.7.b.1.D, 110.22.b.1.D, 110.23.b.1.D, 110.24.b.1.D
Career/SEL	Fire Fighting
CSTA	1B-CS-02, 1B-CS-03, 1B-IC-18
ISTE	2b, 3d, 7c

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Lesson 3: Erebus Expedition

Curriculum	Standards
TEKS Science: Knowledge and Skills	112.5.1.(C), 112.6.1.(C), 112.7.1.(C), 112.6.1.(G), 112.7.1.(G)
TEKS Mathematics: Knowledge and Skills	111.7.(7), 111.6.8.(C), 11.7.(7)
TEKS English Language Arts and Reading: Knowledge and Skills	110.6.b.1.B, 110.7.b.1.B, 110.22.b.1.B, 110.23.b.1.B, 110.24.b.1.B, 110.6.b.1.D, 110.7.b.1.D, 110.22.b.1.D, 110.23.b.1.D, 110.24.b.1.D
TEKS Character Traits: Knowledge and Skills	120.5.c.2.A, 120.5.c.4.C
Career/SEL	
CSTA	1B-AP-10, 1B-AP-13, 1B-AP-15
ISTE	1d, 3d, 4d

Lesson 4: Shark Watch

Curriculum	Standards
TEKS Science: Knowledge and Skills	112.5.1.(C), 112.6.1.(C), 112.7.1.(C)
	111.7.(7), 111.6.8.(C), 11.7.(7)
TEKS English Language Arts and Reading: Knowledge and Skills	110.6.b.1.B, 110.7.b.1.B, 110.22.b.1.B, 110.23.b.1.B, 110.24.b.1.B, 110.6.b.1.D, 110.7.b.1.D, 110.22.b.1.D, 110.23.b.1.D, 110.24.b.1.D
TEKS Character Traits: Knowledge and Skills	120.5.c.4.C, 120.7.c.1.A, 120.7.c.3.A
Career/SEL	
CSTA	1B-AP-08, 1B-AP-10, 1B-AP-11, 1B-AP-12
ISTE	3d, 5c, 7c

Lesson 5: Medicine Delivery

Curriculum	Standards
TEKS Science: Knowledge and Skills	112.5.1.(C), 112.6.1.(C), 112.7.1.(C), 112.5.1.(B)
TEKS Mathematics: Knowledge and Skills	11.7.(7)
TEKS English Language Arts and Reading: Knowledge and Skills	110.6.b.1.B, 110.7.b.1.B, 110.22.b.1.B, 110.23.b.1.B, 110.24.b.1.B, 110.6.b.1.D, 110.7.b.1.D, 110.22.b.1.D, 110.23.b.1.D, 110.24.b.1.D
Career/SEL	Medical
CSTA	1B-AP-08, 1B-AP-11, 1B-AP-13, 1B-IC-18
ISTE	4a, 4c, 4d

Lesson 6: Helper Bees

Curriculum	Standards
TEKS Science: Knowledge and Skills	112.5.1.(C), 112.6.1.(C), 112.7.1.(C), 112.7.13.(A)
TEKS Mathematics: Knowledge and Skills	111.7.8.(B), 111.7.8.(C)
TEKS English Language Arts and Reading: Knowledge and Skills	110.6.b.1.B, 110.7.b.1.B, 110.22.b.1.B, 110.23.b.1.B, 110.24.b.1.B, 110.6.b.1.D, 110.7.b.1.D, 110.22.b.1.D, 110.23.b.1.D, 110.24.b.1.D
Career/SEL	Botany
CSTA	1B-AP-12, 1B-AP-16, 1B-IC-18
ISTE	4a, 5c, 7c

Lesson 7: Drone Racing

Curriculum	Standards
TEKS Science: Knowledge and Skills	112.5.1.(C), 112.6.1.(C), 112.7.1.(C), 112.7.7.(A)
TEKS Mathematics: Knowledge and Skills	11.7.(7)
TEKS English Language Arts and Reading: Knowledge and Skills	110.6.b.1.B, 110.7.b.1.B, 110.22.b.1.B, 110.23.b.1.B, 110.24.b.1.B, 110.6.b.1.D, 110.7.b.1.D, 110.22.b.1.D, 110.23.b.1.D, 110.24.b.1.D
Career/SEL	Drone Racing
CSTA	1B-AP-10, 1B-AP-11, 1B-AP-16
ISTE	4d, 7c

Lesson 8: Life on Mars?

Curriculum	Standards
TEKS Science: Knowledge and Skills	112.5.1.(C), 112.6.1.(C), 112.7.1.(C)
TEKS English Language Arts and Reading: Knowledge and Skills	110.6.b.1.B, 110.7.b.1.B, 110.22.b.1.B, 110.23.b.1.B, 110.24.b.1.B, 110.6.b.1.D, 110.7.b.1.D, 110.22.b.1.D, 110.23.b.1.D, 110.24.b.1.D
Career/SEL	Aerospace
CSTA	1B-AP-08, 1B-AP-10, 1B-AP-11, 1B-AP-12
ISTE	4a, 5c, 7c

Lesson 9: Koala Care

Curriculum	Standards
TEKS Science: Knowledge and Skills	112.7.9.(A), 112.7.9.(C)
TEKS English Language Arts and Reading: Knowledge and Skills	110.6.b.11.A, 110.7.b.11.A, 110.22.b.10.A, 110.23.b.10.A, 110.24.b.10.A, 110.6.b.11.B, 110.7.b.11.B, 110.22.b.10.B, 110.23.b.10.B, 110.24.b.10.B
Career/SEL	Environmental Science and Writing
CSTA	1B-AP-13, 1B-AP-16, 1B-IC-18
ISTE	1a, 1b, 7a

Lesson 10: Cinematic Editing

Curriculum	Standards
TEKS Science: Knowledge and Skills	112.7.9.(A), 112.7.9.(C)
TEKS English Language Arts and Reading: Knowledge and Skills	110.6.b.12.B, 110.7.b.12.B, 110.22.b.11.B, 110.23.b.11.B, 110.24.b.11.B
Career/SEL	Cinematography
CSTA	1B-AP-13, 1B-AP-16, 1B-IC-18
ISTE	1a, 1b, 7a



Inside Every Child Lives a Legend!

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