

# Science, Technology, Engineering, Mathematics (STEM)

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## **National Geographic Science Grades 1-2** (sorted by STEM references)



## National Geographic Science STEM Correlation, Grades 1-2

Strand	Unit	Chapter	Teacher Edition Pages	Title	STEM References
Earth Science	Land and Water	Chapter 2	T20-T21	My Science Notebook: Investigate Energy Sources	Science/Engineering
Physical Science	Pushes and Pulls	Chapter 3	T37g-T37j	Think Like a Scientist: How Scientists Work: Inventions: Putting Things Together	Science/Engineering
Physical Science	Solids, Liquids, and Gases	Chapter 3	T37g-T37j	Think Like a Scientist: How Scientists Work: Repeating Investigations to Check Results	Science/Engineering
Life Science	Living Things	Chapter 1	T15a-T15d	Think Like a Scientist: Math in Science: Tables	Science/Math
Life Science	Living Things	Chapter 2	T23a-T23d	Guided Inquiry: Investigate Plants and Space	Science/Math
Life Science	Living Things	Chapter 3	T23g-T23j	Guided Inquiry: Investigate Basic Needs of Humans	Science/Math
Life Science	Living Things	Chapter 3	T27	Think Like a Scientist: Math in Science: Counting Breaths	Science/Math
Life Science	Living Things	Chapter 3	T29	My Science Notebook: Making and Recording Observations	Science/Math
Life Science	Plants and Animals	Chapter 1	T1e-T1h	Explore Activity: Investigate Plants	Science/Math
Life Science	Plants and Animals	Chapter 1	T6	Think Like a Scientist: Math in Science: Measuring Plants	Science/Math
Life Science	Plants and Animals	Chapter 2	T8	My Science Notebook: Making and Recording Observations	Science/Math
Life Science	Plants and Animals	Chapter 2	T14	Think Like a Scientist: Social Studies in Science: Keeping Pets	Science/Math
Life Science	Plants and Animals	Chapter 2	T25a-T25d	Think Like a Scientist: Math in Science: Graphs	Science/Math
Life Science	Plants and Animals	Chapter 2	T25e-T25h	Guided Inquiry: Investigate Bird Beaks	Science/Math
Life Science	Plants and Animals	Chapter 3	T37a-T34f	Open Inquiry: Do Your Own Investigation	Science/Math
Life Science	Habitats	Chapter 1	T5	Think Like a Scientist: Math in Science: Sorting	Science/Math

## National Geographic Science STEM Correlation, Grades 1-2

Strand	Unit	Chapter	Teacher Edition Pages	Title	STEM References
Life Science	Habitats	Chapter 2	T15c-T15f	Directed Inquiry: Investigate How Desert Plants Survive	Science/Math
Life Science	Habitats	Chapter 2	T23c-T23f	Think Like a Scientist: Math in Science: Tables and Graphs	Science/Math
Life Science	Habitats	Chapter 2	T23g-T23j	Guided Inquiry: Investigate a Meal Worm Habitat	Science/Math
Life Science	Habitats	Chapter 3	T32	Think Like a Scientist: Math in Science: Estimate and Count	Science/Math
Life Science	Habitats	Chapter 3	T37e	Think Like a Scientist: How Scientists Work	Science/Math
Life Science	Habitats	Read Informational Texts	T79	Become an Expert: Real-World Connections	Science/Math
Life Science	Life Cycles	Chapter 1	T12-T13	My Science Notebook: Investigate Growing Plants	Science/Math
Life Science	Life Cycles	Chapter 2	T15c-T15f	Think Like a Scientist: Math in Science: Using Data	Science/Math
Life Science	Life Cycles	Chapter 2	T15g-T15j	Directed Inquiry: Investigate How an Animal Grows and Changes	Science/Math
Life Science	Life Cycles	Chapter 2	T25	Think Like a Scientist: Math in Science: Animal Life Spans	Science/Math
Life Science	Life Cycles	Chapter 3	T33	Think Like a Scientist: Math in Science: Time Line	Science/Math
Earth Science	Land and Water	Chapter 2	T17	Science in a Snap!: Water, Water, Water, Land	Science/Math
Earth Science	Land and Water	Chapter 2	T18	Think Like a Scientist: Math in Science: Fractions of Earth's Surface	Science/Math
Earth Science	Land and Water	Chapter 2	T24	Think Like a Scientist: Math in Science: Counting and Sorting	Science/Math
Earth Science	Land and Water	Chapter 3	T27c-T27f	Think Like a Scientist: Math in Science: Estimating	Science/Math
Earth Science	Sun, Moon, and Stars	Chapter 1	T1e-T1h	Explore Activity: Investigate the Night Sky	Science/Math

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Strand	Unit	Chapter	Teacher Edition Pages	Title	STEM References
Earth Science	Sun, Moon, and Stars	Chapter 1	T5	My Science Notebook: Making and Recording Observations	Science/Math
Earth Science	Sun, Moon, and Stars	Chapter 1	T12	Science in a Snap!	Science/Math
Earth Science	Sun, Moon, and Stars	Chapter 2	T15c-T15f	Think Like a Scientist: Math in Science: Estimating and Measuring Length	Science/Math
Earth Science	Sun, Moon, and Stars	Chapter 2	T15g-T15j	Directed Inquiry: Investigate Shadows	Science/Math
Earth Science	Sun, Moon, and Stars	Chapter 2	T22	Think Like a Scientist: Math in Science: Clock Math	Science/Math
Earth Science	Sun, Moon, and Stars	Chapter 2	T23	My Science Notebook: Making and Recording Observations	Science/Math
Earth Science	Sun, Moon, and Stars	Chapter 2	T26	Science in a Snap!: Light Lineup	Science/Math
Earth Science	Sun, Moon, and Stars	Chapter 3	T35	My Science Notebook: Making and Recording Observations	Science/Math
Earth Science	Sun, Moon, and Stars	Chapter 3	T37a-T37f	Open Inquiry: Do Your Own Investigation	Science/Math
Earth Science	Sun, Moon, and Stars	Read Informational Text	T67	Become an Expert: My Science Notebook: Making and Recording Observations	Science/Math
Earth Science	Sun, Moon, and Stars	Read Informational Text	T80	Become an Expert: My Science Notebook: Making and Recording Observations	Science/Math
Earth Science	Rocks and Soil	Chapter 1	T1e-T1h	Explore Activity: Investigate Properties of Rocks	Science/Math
Earth Science	Rocks and Soil	Chapter 1	T5	Think Like a Scientist: Math in Science: Make a Table	Science/Math
Earth Science	Rocks and Soil	Chapter 2	T15g-T15j	Directed Inquiry: Investigate How Rocks Wear Away	Science/Math
Earth Science	Rocks and Soil	Chapter 2	T25a-T25d	Think Like a Scientist: Math in Science: Measuring Liquids	Science/Math
Earth Science	Rocks and Soil	Chapter 2	T25e-T25h	Guided Inquiry: Investigate How Water Affects Soil	Science/Math

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Strand	Unit	Chapter	Teacher Edition Pages	Title	STEM References
Earth Science	Rocks and Soil	Chapter 3	T25k-T25n	Guided Inquiry: Investigate Soil Properties	Science/Math
Earth Science	Rocks and Soil	Chapter 3	T30	Think Like a Scientist: Math in Science: Make Charts	Science/Math
Earth Science	Rocks and Soil	Chapter 3	T37a-T37f	Open Inquiry: Do Your Own Investigation	Science/Math
Earth Science	Rocks and Soil	Chapter 3	T37g-T37j	Think Like a Scientist: How Scientists Work: Using Tools to Observe	Science/Math
Earth Science	Rocks and Soil	Earth Science/Rocks and Soil/Read for Knowledge	T82	My Science Notebook: Recording Observations	Science/Math
Earth Science	Weather	Chapter 1	T5	Think Like a Scientist: Math in Science: Weather by the Numbers	Science/Math
Earth Science	Weather	Chapter 1	T9	My Science Notebook: Making and Recording Observations	Science/Math
Earth Science	Weather	Chapter 2	T27a-T27d	Guided Inquiry: Investigate Rainfall and Wind	Science/Math
Earth Science	Weather	Chapter 2	T27e-T27h	Think Like a Scientist: Math in Science: Measuring Temperature	Science/Math
Earth Science	Weather	Chapter 3	T27k-T27n	Guided Inquiry: Investigate Weather Conditions	Science/Math
Earth Science	Weather	Chapter 3	T41a-T41f	Open Inquiry: Do Your Own Investigation	Science/Math
Earth Science	Weather	Wrap Up	T99-T104	Procedural Text: How to Make a Weather Vane	Science/Math
Earth Science	Weather	Wrap Up	T107	Set Up a Weather Station	Science/Math
Physical Science	Properties	Chapter 1	T8	My Science Notebook: Find Shapes	Science/Math
Physical Science	Properties	Chapter 2	T9	My Science Notebook: Making and Recording Observations	Science/Math
Physical Science	Properties	Chapter 2	T17g-T17j	Think Like a Scientist: Math in Science: Comparing Weight	Science/Math

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Strand	Unit	Chapter	Teacher Edition Pages	Title	STEM References
Physical Science	Properties	Chapter 2	T17j-T17n	Directed Inquiry: Investigate the Weight of Objects	Science/Math
Physical Science	Properties	Chapter 2	T23	My Science Notebook: Recording Observations: Examining a Scale	Science/Math
Physical Science	Properties	Chapter 2	T25	Think Like a Scientist: Math in Science: Examining a Scale	Science/Math
Physical Science	Properties	Chapter 2	T25	Science in a Snap!: Be a Thermometer	Science/Math
Physical Science	Properties	Chapter 2	T27	My Science Notebook: Notetaking	Science/Math
Physical Science	Properties	Chapter 2	T27a-T27d	Guided Inquiry: Investigate Changes in Temperature	Science/Math
Physical Science	Properties	Chapter 3	T30	Think Like a Scientist: Math in Science: Understanding Shapes	Science/Math
Physical Science	Pushes and Pulls	Chapter 2	T5	Think Like a Scientist: Math in Science: Counting and Sorting	Science/Math
Physical Science	Pushes and Pulls	Chapter 2	T17g-T17j	Think Like a Scientist: Math in Science: Estimating and Measuring Time	Science/Math
Physical Science	Pushes and Pulls	Chapter 2	T17k-T17n	Directed Inquiry: Investigate Ways that Objects Can Move	Science/Math
Physical Science	Pushes and Pulls	Chapter 3	T29g-T29j	Guided Inquiry: Investigate Magnets	Science/Math
Physical Science	Pushes and Pulls	Chapter 3	T32	My Science Notebook: Investigate Magnetism	Science/Math
Physical Science	Pushes and Pulls	Read Informational Text	T71	My Science Notebook: Describe Motion	Science/Math
Physical Science	Pushes and Pulls	Read Informational Text	T84	My Science Notebook: Describe Motion	Science/Math
Physical Science	Solids, Liquids, and Gases	Chapter 1	T11	Think Like a Scientist: Math in Science	Science/Math
Physical Science	Solids, Liquids, and Gases	Chapter 2	T13g-T13j	Think Like a Scientist: Math in Science: Measuring Length	Science/Math

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Strand	Unit	Chapter	Teacher Edition Pages	Title	STEM References
Physical Science	Solids, Liquids, and Gases	Chapter 2	T13k-T13n	Directed Inquiry: Investigate Length and Weight	Science/Math
Physical Science	Solids, Liquids, and Gases	Chapter 2	T18	Think Like a Scientist: Math in Science	Science/Math
Physical Science	Solids, Liquids, and Gases	Chapter 2	T21	Think Like a Scientist: Math in Science: Estimate and Count	Science/Math
Physical Science	Solids, Liquids, and Gases	Chapter 2	T25	My Science Notebook: Recording Observations	Science/Math
Physical Science	Solids, Liquids, and Gases	Chapter 2	T26	My Science Notebook: Share and Compare: Compare Measuring Tools	Science/Math
Physical Science	Solids, Liquids, and Gases	Chapter 2	T27	My Science Notebook: Notetaking	Science/Math
Physical Science	Solids, Liquids, and Gases	Chapter 3	T37	My Science Notebook: Notetaking	Science/Math
Physical Science	Physical Science/Read Informational Text	Read Informational Text	T57	Become an Expert: My Science Notebook: Record Observations	Science/Math
Physical Science	Solids, Liquids, and Gases	Physical Science/Solids, Liquids, and Gases	T71	Become an Expert: My Science Notebook: Record Observations	Science/Math
Physical Science	Solids, Liquids, and Gases	Physical Science/Solids, Liquids, and Gases	T84	Become an Expert: My Science Notebook: Record Observations	Science/Math
Physical Science	Solids, Liquids, and Gases	Wrap Up	T95-T103	Read Procedural Text	Science/Math
Physical Science	Forces and Motion	Chapter 1	T3	Integrated Technology: Computer Presentation	Science/Math
Physical Science	Forces and Motion	Chapter 1	T16	Raise Your SciQ!: Ramp and Ratios	Science/Math
Physical Science	Forces and Motion	Chapter 1	T23a-T23d	Think Like a Scientist: Math in Science: Measuring Length	Science/Math
Physical Science	Forces and Motion	Chapter 1	T23d	Think Like a Scientist: How Scientists Work	Science/Math
Physical Science	Forces and Motion	Chapter 1	T23e-T23h	Directed Inquiry: Investigate Changes in Motion	Science/Math

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Strand	Unit	Chapter	Teacher Edition Pages	Title	STEM References
Physical Science	Forces and Motion	Chapter 2	T29a-T29d	Guided Inquiry: Investigate Gravity	Science/Math
Physical Science	Forces and Motion	Chapter 3	T37a-T37f	Open Inquiry: Do Your Own Investigation	Science/Math
Life Science	Living Things	Chapter 1	T3	Integrated Technology: Computer Presentation	Science/Technology
Life Science	Living Things	Chapter 3	T27	Integrated Technology	Science/Technology
Life Science	Living Things	Chapter 3	T32	Extend Learning: Shelters on Land and in the Water	Science/Technology
Life Science	Living Things	Chapter 3	T33	Integrated Technology: Digital Camera	Science/Technology
Life Science	Living Things	Chapter 3	T37g-T37j	Think Like a Scientist: How Scientists Work: Investigating Again and Again	Science/Technology
Life Science	Living Things	Read Informational Text	T90	Become an Expert: Technology in Life Science	Science/Technology
Life Science	Living Things	Wrap Up	T103	Make a Living Things Web Page	Science/Technology
Life Science	Living Things	Chapter 1	T3	Integrated Technology: Whiteboard Presentation	Science/Technology
Life Science	Living Things	Chapter 2	T13n	Integrated Technology: Computer Presentation	Science/Technology
Life Science	Living Things	Chapter 2	T21	Integrated Technology: Web Research	Science/Technology
Life Science	Living Things	Chapter 2	T25r	Integrated Technology: Digital Photos	Science/Technology
Life Science	Plants and Animals	Chapter 3	T37g-T37j	Think Like a Scientist: How Scientists Work	Science/Technology
Life Science	Plants and Animals	Read Informational Text	T90	Become an Expert: Science Career/ Technology in Life Science	Science/Technology
Life Science	Habitats	Chapter 1	T7	Integrated Technology: Digital Camera	Science/Technology

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Strand	Unit	Chapter	Teacher Edition Pages	Title	STEM References
Life Science	Habitats	Chapter 3	T23n	Integrated Technology: Computer Presentation	Science/Technology
Life Science	Habitats	Chapter 2	T37g-T37j	Think Like a Scientist: How Scientists Work: Solving Problems Together	Science/Technology
Life Science	Habitats	Read Informational Text	T90	Become an Expert: Science Career/Technology in Life Science	Science/Technology
Life Science	Life Cycles	Chapter 1	T3	Integrated Technology: Computer Presentation	Science/Technology
Life Science	Life Cycles	Chapter 1	T9	Integrated Technology: Digital Library	Science/Technology
Life Science	Life Cycles	Chapter 2	T27	Integrated Technology: Computer Presentation	Science/Technology
Life Science	Life Cycles	Chapter 3	T37g-T37j	Think Like a Scientist: How Scientists Work: Gathering Information	Science/Technology
Life Science	Life Cycles	Read Informational Text	T90	Become an Expert: Technology in Life Science	Science/Technology
Earth Science	Land and Water	Unit Launch	T1a-T1b	Meet the Scientist/Land and Water Video	Science/Technology
Earth Science	Land and Water	Chapter 1	T4	Integrated Technology	Science/Technology
Earth Science	Land and Water	Chapter 1	T13	Think Like a Scientist: Social Studies in Science: Soil Depletion in Agriculture	Science/Technology
Earth Science	Land and Water	Chapter 1	T15j	Integrated Technology: Digital Camera	Science/Technology
Earth Science	Land and Water	Chapter 3	T27n	Integrated Technology: Computer Presentation	Science/Technology
Earth Science	Land and Water	Chapter 3	T41g-T41j	Think Like a Scientist: How Scientists Work: Scientists Who Study Volcanoes	Science/Technology
Earth Science	Land and Water	Earth Science/Land and Water/Read for Informational	T94	Become an Expert: Science Career/Technology in Earth Science	Science/Technology
Earth Science	Land and Water	Wrap Up	T106	Make a Natural Resource Mural	Science/Technology

## National Geographic Science STEM Correlation, Grades 1-2

Strand	Unit	Chapter	Teacher Edition Pages	Title	STEM References
Earth Science	Sun, Moon, and Stars	Chapter 1	T3	Integrated Technology: Whiteboard Presentation	Science/Technology
Earth Science	Sun, Moon, and Stars	Chapter 1	T9	Integrated Technology: Digital Library	Science/Technology
Earth Science	Sun, Moon, and Stars	Chapter 1	T13	Integrated Technology: Digital Library	Science/Technology
Earth Science	Sun, Moon, and Stars	Chapter 1	T15n	Integrated Technology: Computer Presentation	Science/Technology
Earth Science	Sun, Moon, and Stars	Chapter 2	T23	Integrated Technology: Photography	Science/Technology
Earth Science	Sun, Moon, and Stars	Chapter 2	T23	Integrated Technology: Photography	Science/Technology
Earth Science	Sun, Moon, and Stars	Chapter 2	T27c-T27f	Guided Inquiry: Investigate How a Lens Works	Science/Technology
Earth Science	Sun, Moon, and Stars	Chapter 3	T33	Integrated Technology: Digital Camera	Science/Technology
Earth Science	Sun, Moon, and Stars	Chapter 3	T37g-T37j	Think Like a Scientist: Science and Technology: Telescopes	Science/Technology
Earth Science	Sun, Moon, and Stars	Read Informational Text	T90	Become an Expert: Science Career/Technology in Earth Science	Science/Technology
Earth Science	Rocks and Soil	Chapter 1	T3	Integrated Technology: Computer Presentation	Science/Technology
Earth Science	Rocks and Soil	Chapter 1	T8	Integrated Technology: Computer Presentation	Science/Technology
Earth Science	Rocks and Soil	Chapter 3	T25r	Integrated Technology: Computer Presentation	Science/Technology
Earth Science	Rocks and Soil	Read Informational Text	T90	Become an Expert: Science Career/Technology in Earth Science	Science/Technology
Earth Science	Rocks and Soil	Wrap Up	T103	Build a Rock Collection	Science/Technology
Earth Science	Weather	Chapter 1	T3	Integrated Technology: Computer Presentation	Science/Technology

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Strand	Unit	Chapter	Teacher Edition Pages	Title	STEM References
Earth Science	Weather	Chapter 2	T15j	Think Like a Scientist: How Scientists Work	Science/Technology
Earth Science	Weather	Chapter 2	T15n	Integrated Technology: Whiteboard Presentation	Science/Technology
Earth Science	Weather	Chapter 2	T23	Integrated Technology: Whiteboard Presentation	Science/Technology
Earth Science	Weather	Chapter 3	T27r	Integrated Technology: Computer Presentation	Science/Technology
Earth Science	Weather	Chapter 3	T33	My Science Notebook: Weather Tools and Their Uses	Science/Technology
Earth Science	Weather	Chapter 3	T38	My Science Notebook: Share and Compare: Draw Conclusions	Science/Technology
Earth Science	Weather	Chapter 3	T41	My Science Notebook: Notetaking	Science/Technology
Earth Science	Weather	Chapter 3	T41g-T41j	Think Like a Scientist: Science and Technology: Predicting the Weather	Science/Technology
Earth Science	Weather	Read Informational Text	T94	Become an Expert: Science Career/Technology in Earth Science	Science/Technology
Physical Science	Properties	Chapter 1	T3	Integrated Technology: Computer Presentation	Science/Technology
Physical Science	Properties	Chapter 2	T17r	Integrated Technology: Whiteboard Presentation	Science/Technology
Physical Science	Properties	Chapter 2	T19	Integrated Technology: Computer Presentation	Science/Technology
Physical Science	Properties	Chapter 2	T27n	Integrated Technology: Computer Presentation	Science/Technology
Physical Science	Properties	Chapter 3	T37g-T37j	Think Like a Scientist: Science and Technology: How Tools Help Scientists	Science/Technology
Physical Science	Pushes and Pulls	Unit Launch	T1a-T1b	Meet the Scientist/Pushes and Pulls Video	Science/Technology
Physical Science	Pushes and Pulls	Chapter 1	T3	Integrated Technology: Computer Presentation	Science/Technology

## National Geographic Science STEM Correlation, Grades 1-2

Strand	Unit	Chapter	Teacher Edition Pages	Title	STEM References
Physical Science	Pushes and Pulls	Chapter 2	T17r	Integrated Technology: Video	Science/Technology
Physical Science	Pushes and Pulls	Chapter 3	T29n	Integrated Technology: Whiteboard Presentation	Science/Technology
Physical Science	Pushes and Pulls	Chapter 3	T37	Integrated Technology: Make a Video	Science/Technology
Physical Science	Solids, Liquids, and Gases	Chapter 1	T3	Integrated Technology: Whiteboard Presentation	Science/Technology
Physical Science	Solids, Liquids, and Gases	Chapter 1	T6	Integrated Technology: Slide Show	Science/Technology
Physical Science	Solids, Liquids, and Gases	Chapter 2	T13r	Integrated Technology: Whiteboard Presentation	Science/Technology
Physical Science	Solids, Liquids, and Gases	Chapter 3	T27n	Integrated Technology: Whiteboard Presentation	Science/Technology
Physical Science	Solids, Liquids, and Gases	Physical Science/Solids, Liquids, and Gases	T90	Become an Expert: Technology in Physical Science	Science/Technology
Physical Science	Forces and Motion	Chapter 1	T17	Integrated Technology: Computer Presentation	Science/Technology
Physical Science	Forces and Motion	Chapter 2	T23r	Integrated Technology: Digital Library	Science/Technology
Physical Science	Forces and Motion	Chapter 3	T29n	Integrated Technology: Computer Presentation	Science/Technology
Physical Science	Forces and Motion	Chapter 3	T37g-T37j	Think Like a Scientist: Science and Technology: Technology with Magnets	Science/Technology
Physical Science	Forces and Motion	Read Informational Text	T90	Become an Expert: Science Career/Technology in Physical Science	Science/Technology
Life Science	Plants and Animals	Chapter 1	T1a-T1b	Meet the Scientist/Plants and Animals Video	Science/Technology/Engineering
Life Science	Habitats	Unit Launch	T1a-T1b	Meet the Scientist/Habitats Video	Science/Technology/Engineering
Earth Science	Sun, Moon, and Stars	Unit Launch	T1a-T1b	Meet the Scientist/Sun, Moon, and Stars Video	Science/Technology/Engineering

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Strand	Unit	Chapter	Teacher Edition Pages	Title	STEM References
Earth Science	Weather	Unit Launch	T1a-T1b	Meet the Scientist/Weather Video	Science/Technology/Engineering
Physical Science	Properties	Chapter 2	T27d	Think Like a Scientist: How Scientists Work	Science/Technology/Engineering
Physical Science	Pushes and Pulls	Read Informational Text	T75-T88	Become an Expert: Science Career/Communication in Physical Science	Science/Technology/Engineering
Physical Science	Forces and Motion	Unit Launch	T1a-T1b	Meet the Scientist/Forces and Motion Video	Science/Technology/Engineering