

Included below are the pacing guides (one each for grades 6, 7, and 8) for the Science Bits curriculum. Districts in Texas use various pacing guide methods, and the Science Bits suggested guide represents one model that can be used. Districts, as desired, can create their own custom sequence of content in the Science Bits program thus ensuring that the Pacing Plan meets specific District and teacher needs.

6th GRADE PACING GUIDE

CONCEPT STRAND	PACING	UNIT	CONTENT STANDARDS	SCIENTIFIC AND ENGINEERING PRACTICES	RECURRING THEMES AND CONCEPTS
Introduction	7 days	What is Science?		1H, 2A, 3B, 4B	
Matter and Energy	12 days	Mass, Volume, and Density	6D	1A, 1B, 1D, 1E, 3A, 3B, 3C	5A
Matter and Energy	8 days	Change of State	6A	3A, 3B	5E, 5G
Matter and Energy	8 days	Pure Substances and Mixtures	6B, 6D	1B, 3A, 4b	5A
Matter and Energy	8 days	A World of Particles	6A	1G, 3A, 3B, 4A, 4C	5A, 5B, 5C, 5F
Matter and Energy	7 days	Substance Change	6E	1A, 1B, 3A, 3C, 4B	5E
Matter and Energy	8 days	The Atomic Structure of Matter	6B, 6C	3B	5F
Force, Motion, and Energy	16 days	A World of Forces	7A, 7B, 7C	2D, 3A, 3B, 4B	5F, 5G
Force, Motion, and Energy/ Earth and Space	14 days	Energy	8A, 8B, 8C, 11A, 11B	1B, 1E, 1F, 2C, 3A, 3B, 3C, 4A, 4B	5E, 5G
Earth and Space	12 days	The Sun-Earth-Moon System	9A, 9B,	1B, 1F, 1G, 1H, 2A, 2B, 3A	5A, 5D, 5G
Earth and Space	14 days	Minerals and Rocks	10A, 10B, 10C	1B, 4B	5C, 5D, 5E, 5G
Organisms and Environments	18 days	Ecosystems	12A, 12B, 12C, 13C	1B, 1E, 1G, 2D, 3A, 3B, 4B	5A, 5D, 5F
Organisms and Environments	15 days	Nutrition	13B	3B	5E, 5G
Organisms and Environments	13 days	Cells	13A, 13B	1D	5F

Additional Resources: See the Introductory Resources on the Home page under the For Students tab for the following resources:

- Lab safety videos (covers 1C)
- Student lab safety agreement (covers 1C)
- The Adventure of Science (covers 4C)

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7TH GRADE PACING GUIDE

CONCEPT STRAND	PACING	UNIT	CONTENT STANDARDS	SCIENTIFIC AND ENGINEERING PRACTICES	RECURRING THEMES AND CONCEPTS
Matter and Energy	9 days	Elements and Compounds	6A, 6B, 6C	4A	5A
Matter and Energy	10 days	Aqueous Solutions	6D, 6E	1B, 1F, 2B, 3A, 3B, 3C	5B, 5E, 5G
Force, Motion, and Energy	8 days	Motion	7A, 7B, 7C, 7D	1A, 1B, 1C, 1D, 1E, 1F, 2C, 3A, 3C	5C
Force, Motion, and Energy	11 days	Forces	7D	3A	5G
Force, Motion, and Energy	13 days	Thermal Energy, Heat, and Temperature	8A, 8B, 8C	1A, 1B, 1C, 1D, 1F, 2D, 3A, 3B, 4A	5E, 5F, 5G
Earth and Space	10 days	The Solar System	9A, 9B, 9C	2A, 4A	5C
Earth and Space	12 days	Planet Water	9C, 11A	1A, 1B, 1C, 1E, 1F, 2C, 2D, 3A, 3B, 3C, 4A, 4B	5E, 5G
Earth and Space	12 days	Earth's Internal Processes	10B	1E, 1F, 1H, 2A, 2B, 3A, 3B, 3C, 4A, 4C	5A, 5B, 5G
Earth and Space	10 days	History of the Earth	10A	1H, 2B, 3A, 4A	5A
Earth and Space/ Organisms and Environments	12 days	Ecosystems (II)	11B, 12A, 12B, 14B	4A	5E, 5F, 5G
Organisms and Environments	17 days	Human Nutrition	13A, 13B	1C, 1E, 1G, 2C, 3A, 3B	5C, 5D, 5F
Organisms and Environments	14 days	Human Responses to the Environment	13A, 13C	1B, 1C, 1D, 1F, 1G, 2B, 3A, 3B	5B
Organisms and Environments	10 days	Evolution	13A, 13C, 13D	1A, 1G, 3A, 3B, 4A, 4B	5G
Organisms and Environments	12 days	Diversity of Life	13B, 14A, 14B	3A, 3B, 4B	5A

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8TH GRADE PACING GUIDE

CONCEPT STRAND	PACING	UNIT	CONTENT STANDARDS	SCIENTIFIC AND ENGINEERING PRACTICES	RECURRING THEMES AND CONCEPTS
Matter and Energy	17 days	Chemical Reaction	6 A, 6B, 6C, 6D, 6E	1B, 1C, 1D, 1E, 3A, 3C, 4A	5E
Force, Motion, and Energy	14 days	Accelerate	7A	1F, 1G, 2C, 4B	5C
Force, Motion, and Energy	16 days	Forces (II)	7B	1A, 1B, 1C, 1D, 1E, 1F, 1G, 2A, 2B, 2D, 3A, 3B, 3C, 4B	5B, 5G
Force, Motion, and Energy	15 days	Waves	8A, 8B	2B, 3A, 4A	5A
Earth and Space	15 days	The Earth in the Universe	9A, 9B, 9C	1G, 1H, 3C, 4A	5A
Earth and Space	18 days	Weather and Atmosphere	10A, 10B, 10C, 11A, 11B	1F, 2A, 3B	5A, 5B, 5D, 5E
Earth and Space	16 days	Climate	10A, 10B, 11A, 11B	1A, 2B, 3A, 4B	5A, 5B, 5E, 5G
Earth and Space/ Organisms and Environments	17 days	Energy and Matter in Ecosystems	11C, 12A, 12B, 12C	1B, 1C, 1E, 1F, 1G, 2D, 3A, 3B	5D, 5E, 5F, 5G
Organisms and Environments	17 days	The Living Cell	13A	1D, 3B	5C, 5F
Organisms and Environments	15 days	Genetic Material	13B	4A	5F

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- Student lab safety agreement (covers 1C)
- The Adventure of Science (covers 4C)