



# Correlations to the *NGSS*

Chapter Number and Lesson	Grades	Discipline	Disciplinary Core Ideas	Crosscutting Concepts
Chapter 6, Bubbles	K, 1	Science and Engineering Practices*	Practice 1: Planning and Carrying Out Investigations/Practice 4: Analyzing and Interpreting Data*	Cause and Effect
Chapter 7, How Big Is a Foot?	3, 4, 5	Science and Engineering Practices*	Practice 5: Using Mathematics and Computational Thinking*	Influence of Engineering, Technology, and Science on Society and the Natural World**
Chapter 8, Hear Your Heart	K, 1, 2	Science and Engineering Practices*	Practice 4: Analyzing and Interpreting Data	Cause and Effect
Chapter 9, Loco Beans	3	Life Science	LS1.B Growth and Development of Organisms	Patterns
Chapter 10, Wiggling Worms	4	Life Science	LS1.A Structure and Function	Structure and Function
Chapter 11, Over in the Ocean	1, 2	Life Science	LS1.A Structure and Function/LS4.D Biodiversity and Humans	Structure and Function
Chapter 12, Be a Friend to Trees	K, 1, 2	Life Science/ Earth and Space Sciences	LS1.C Organization for Matter and Energy Flow in Organisms/ ESS3.A Natural Resources/ESS3.C Human Impacts on Earth Systems/ LS1.A Structure and Function/LS2.A Interdependent Relationships in Ecosystems	Systems and System Models
Chapter 13, That Magnetic Dog	2, 3	Physical Science	PS1.A: Structure and Properties of Matter/PS2.B Types of Interactions	Cause and Effect
Chapter 14, Roller Coasters	K, 5	Physical Science	PS2.A Forces and Motion/PS2.B Types of Interactions/PS3.C Relationship Between Energy and Forces	Cause and Effect

\* Denotes a Science and Engineering Practice

\*\*Denotes a Connection to Engineering, Technology and Applications of Science

(continued)

<b>Chapter Number and Lesson</b>	<b>Grades</b>	<b>Discipline</b>	<b>Disciplinary Core Ideas</b>	<b>Crosscutting Concepts</b>
Chapter 15, Mirror, Mirror	1	Physical Science	PS4.B Electromagnetic Radiation	Cause and Effect
Chapter 16, If You Find a Rock	4	Earth and Space Sciences	ESS2.A Earth Materials and Systems	Structure and Function
Chapter 17, Sunshine on My Shoulders	K	Earth and Space Sciences	PS3.B Conservation of Energy and Energy Transfer	Cause and Effect
Chapter 18, Stargazers	1, 5	Earth and Space Sciences	ESS1.A The Universe and Its Stars/ ESS1.B Earth and the Solar System	Patterns
Chapter 19, Imaginative Inventions	2, 3, 4	Engineering Design	ETS1.A Defining and Delimiting an Engineering Problem/ETS1.B Developing Possible Solutions/ETS1.C Optimizing the Design Solution	Influence of Engineering, Technology, and Science on Society and the Natural World**
Chapter 20, A Sense of Wonder	2, 3	Life Science	LS4.D Biodiversity and Humans	Influence of Engineering, Technology, and Science on Society and the Natural World**

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