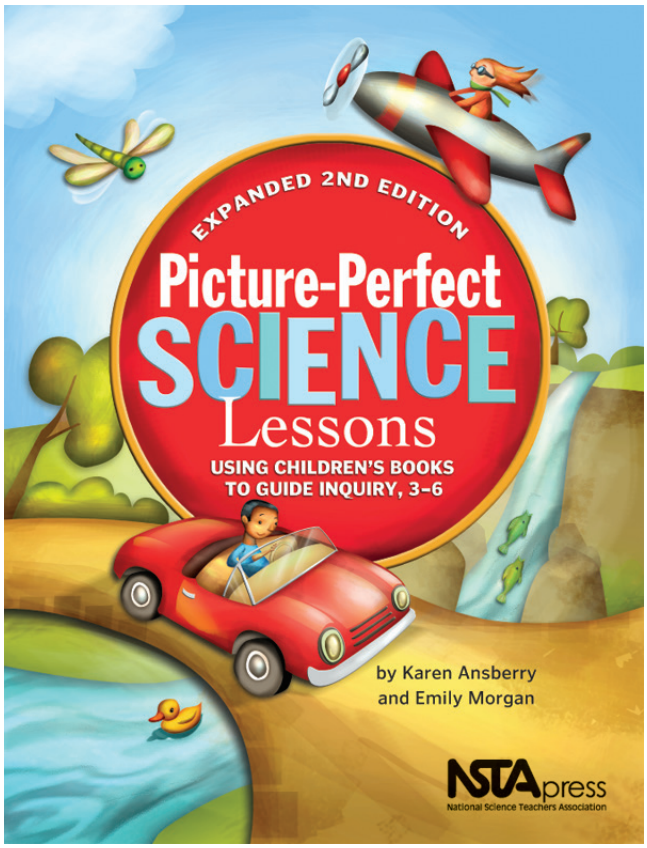

Correlations to the *NGSS*

Chapter Number and Lesson	Grades	Discipline	Disciplinary Core Ideas	Crosscutting Concepts
Chapter 6, Earthlets	3, 4, 5	Physical Science/ Science and Engineering Practices*	PS1.A Structure and Properties of Matter/Practice 6: Constructing Explanations	Scale, Proportion, and Quantity
Chapter 7, Name That Shell	4	Life Science	LS1.A Structure and Function	Structure and Function
Chapter 8, Rice is Life	3, 4	Life Science	LS1.B Growth and Development of Organisms/LS1.A Structure and Function	Structure and Function/ Patterns
Chapter 9, What's Poppin'?	3, 4, 5	Science and Engineering Practices*	Practice 1: Planning and Carrying Out Investigations/Practice 4: Analyzing and Interpreting Data*	Cause and Effect
Chapter 10, Mystery Pellets	5	Life Science	LS2.A Interdependent Relationships in Ecosystems	Systems and System Models
Chapter 11, Close Encounters of the Symbiotic Kind	5	Life Science	LS2.A Interdependent Relationships in Ecosystems	Systems and System Models
Chapter 12, Turtle Hurdles	3	Life Science	LS4.D Biodiversity and Humans	Cause and Effect
Chapter 13, Oil Spill!	3	Life Science	LS4.D Biodiversity and Humans	Cause and Effect
Chapter 14, Sheep in a Jeep	3	Physical Science	PS2.A Forces and Motion/PS2.B Types of Interactions	Cause and Effect
Chapter 15, Sounds of Science	4	Physical Science	PS3.A Definitions of Energy	Energy and Matter
Chapter 16, Chemical Change Café	5	Physical Science	PS1.B Chemical Reactions	Cause and Effect
Chapter 17, The Changing Moon	5	Earth and Space Sciences	ESS1.B Earth and the Solar System	Patterns

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

(continued)

Chapter Number and Lesson	Grades	Discipline	Disciplinary Core Ideas	Crosscutting Concepts
Chapter 18, Day and Night	5	Earth and Space Sciences	ESS1.B Earth and the Solar System	Patterns
Chapter 19, Grand Canyon	4	Earth and Space Sciences	ESS2.A Earth Materials and Systems	Stability and Change
Chapter 20, Brainstorms: From Idea to Invention	3, 4, 5	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 21, Bugs!	4	Life Science	LS1.A Structure and Function	Structure and Function
Chapter 22, Batteries Included	4	Physical Science	PS3.A Definitions of Energy/PS3.B Conservation of Energy and Energy Transfer	Energy and Matter
Chapter 23, The Secrets of Flight	3, 4, 5	Physical Science/ Engineering Design	PS2.A Forces and Motion/PS2.B Types of Interactions/ETS1.A Defining and Delimiting an Engineering Problem/ ETS1.B Developing Possible Solutions/ ETS1.C Optimizing the Design Solution	Cause and Effect/ Influence of Engineering, Technology, and Science on Society and the Natural World**
Chapter 24, Down the Drain	4	Earth and Space Sciences	ESS3.A Natural Resources	Cause and Effect
Chapter 25, If I Built a Car	3, 4, 5	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**

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