SRA Snapshots Video Science™ : Level A
correlation to
Idaho Science Content Standards
Grade 3

SRA Snapshots Video Science™ consists of four interdependent components. Each level has four program DVDs that provide engaging video lessons. The student edition (**SE**) provides student friendly text that reinforces the concepts introduced in the video. The Teacher's Resource Book (**TRB**) provides support activities in a blackline master format. The Teacher's Guide (**TG**) provides lesson planning, differentiated instruction activities, and answers to all student activities in the Student Edition.

KEY:

Reference	**Program Component**
Video	Video lessons on program DVDs
SE	Student Edition
TRB	Teacher's Resource Book
TG	Teacher's Guide

Standard 1: Nature of Science
Goal 1.1: Understand Systems, Order, and Organization
3.S.1.1.1 Label the parts of a system.
Chapter 1, Lesson 1, Video A, SE page 3; Video B, SE page 4; Video C, SE page 5; Lesson 3, Video A, SE page 17; Video B, SE page 18; Video C, SE page 19; Process Skill, SE page 21; LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, Lesson 1, Video A, SE page 25; Video B, SE page 26; Video C, SE page 27; Lesson 2, Video A, SE page 31; Video B, SE page 32; Video C, SE page 33; Lesson 3, Video A, SE page 39; LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48** **Chapter 3, Lesson 1, Video A, SE page 47; Video B, SE page 48; Video C, SE page 49; Lesson 2, Video B, SE page 56; Video C, SE page 57; Lesson 3, Video B, SE page 62; LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 4, Lesson, 1, Video B, SE page 70; Video C, SE page 71; Lesson 2, Video A, SE page 75; Video B, SE page 76; Video C, SE page 77; LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, Lesson 1, Video A, SE page 91; Video B, SE page 92; Video C, SE page 93; Lesson 2, Video A, SE page 99; Video B, SE page 100; Video C, SE page 101; LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, Lesson 1, Video A, SE page 113; Video B, SE page 114; Video C, SE page 115; Lesson 2, Video A, SE page 119; Video B, SE page 120; Video C, SE page 121; Lesson 3, Video A, SE page 127; Video B, SE page 128; LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, Lesson 1, Video A, SE page 135; Video B, SE page 136; Video C, SE page 137; Lesson 2, Video A, SE page 143; Video B, SE page 144; Video C, SE page 145; Lesson 3, Video A, SE page 149; Video B, SE page 150; Video C, SE page 151; LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, Lesson 1, Video A, SE page 157; Video B, SE page 158; Video C, SE page 159; Lesson 2, Video A, SE page 163; Video B, SE page 164; Video C, SE page 165; Lesson 3, Video A, SE page 171; Video B, SE page 172; Video C, SE page 173; LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, Lesson 1, Video A, SE page 179; Video B, SE page 180; Video C, SE page 181; Lesson 2, Video A, SE page 187; Video B, SE page 188; Video C, SE page 189; Lesson 3, Video A, SE page 193; Video B, SE page 194; LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174** **Energy Transfer, SE page 203** **Planet Earth, SE page 204** **Earth in Space, SE page 205**

Standard 1: Nature of Science
Goal 1.2: Understand Concepts and Processes of Evidence, Models, and Explanations
3.S.1.2.1 Make observations, collect data, and evaluate it.
Chapter 1, Lesson 1, Process Skill, SE page 7; Lesson 2, Process Skill, SE page 13; Chapter 1 LabTime Hands-On Activity, TRB pages 15-17, TG page 30 **Chapter 2, Lesson 3, Process Skill, SE page 43** **Chapter 3, LabTime Hands-On Activity, TRB Pages 51-53, TG page 66** **Chapter 4, Lesson 2 Process Skill, SE page 79; LabTime Hands-On Activity, TRB pages 69-71, TG page 84** **Chapter 5, LabTime Hands-On Activity, TRB pages 87-89, TG page 102** **Chapter 6, Lesson 3 Process Skill, SE page 131; LabTime Hands-On Activity, TRB pages 105-107, TG page 120** **Chapter 7 LabTime Hands-On Activity, TRB pages 123-125, TG page 138** **Chapter 8, Lesson 3 Process Skill, SE page 175; LabTime Hands-On Activity, TRB pages 141-143, TG page 156** **Chapter 9, Lesson 1 Process Skill, SE page 183; LabTime Hands-On Activity, TRB pages 159-161, TG page 174**

Standard 1: Nature of Science
Goal 1.2: Understand Concepts and Processes of Evidence, Models, and Explanations
3.S.1.2.2 Replicate and/or use models.
Chapter 4 LabTime Hands-On Activity, TRB Pages 69-71; TG page 84 **Chapter 5 LabTime Hands-On Activity, TRB Pages 87-89; TG page 102** **Chapter 6 LabTime Hands-On Activity, TRB pages 105-107; TG page 120** **Chapter 7, Lesson 3 Process Skill, SE page 153**

Standard 1: Nature of Science
Goal 1.3: Understand Constancy, Change, and Measurement
3.S.1.3.1 Measure changes that occur.
Chapter 4, Lesson 1, Video C, SE page 71; Process Skill, SE page 73; LabTime Hands-On Activity, TRB pages 69-71, TG page 84 **Chapter 5, Lesson 1, Process Skill, SE page 95; KnowZone, SE pages 96-97; Lesson 2, Process Skill, SE page 103; LabTime Hands-On Activity, TRB pages 87-89, TG page 102** **Chapter 6, Lesson 1, Video C, SE page 115; Lesson 3, Process Skill, SE page 131** **Chapter 7, LabTime Hands-On Activity, TRB pages 123-125, TG page 138** **Chapter 8, Lesson 3, Process Skill, SE page 175; Lesson 3 Process Skill, SE page 175; LabTime Hands-On Activity, TRB pages 141-143, TG page 156**

Standard 1: Nature of Science
Goal 1.3: Understand Constancy, Change, and Measurement
3.S.1.3.2 Measure in both U.S. Customary and International System of Measurement (metric system) units.
Chapter 3, Lesson 3, Process Skill, SE page 65 **Chapter 5, LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 7, LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156**

Standard 1: Nature of Science
Goal 1.5: Understand Concepts of Form and Function
3.S.1.5.1 Describe the relationship between shape and use.
Chapter 8, Lesson 1, Video C, SE page 159; Lesson 2, Video A, SE page 163

Standard 1: Nature of Science
Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills
3.S.1.6.1 Identify questions that can be answered by conducting scientific tests.
Chapter 1, Lesson 1, Process Skill, SE page 7; LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, Lesson 3, Process Skill, SE page 43; LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48** **Chapter 3, LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 4, Lesson 2, Process Skill, SE page 79; LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, Lesson 3, Process Skill, SE page 131; LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, Lesson 1, Process Skill, SE page 183; LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 1: Nature of Science
Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills
3.S.1.6.2 Conduct scientific tests.
Chapter 1, LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48** **Chapter 3, LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 4, LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, Lesson 3, Process Skill, SE page 175; LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 1: Nature of Science
Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills
3.S.1.6.3 Use appropriate tools and techniques to gather and display data.
Chapter 3, Lesson 2, Video A, SE page 55; Video B, SE page 56; Video C, SE page 57 **Chapter 5, KnowZone, SE pages 96-97; Lesson 3, Video A, SE page 105** **Chapter 6, KnowZone, SE page 124-125; Lesson 3, Video B, SE page 128; Video C, SE page 129; Process Skill, SE page 131** **Chapter 7, LabTime Hands-On Activity, TRB pages 123-125; TG page 138** **Chapter 8, Lesson 1, Video C, SE page 187; LabTime Hands-On Activity. TRB ages 141-143, TG page 156**

Standard 1: Nature of Science
Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills
3.S.1.6.4 Use data to construct a reasonable explanation.
Chapter 1, LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 3, LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 5, LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 1: Nature of Science
Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills
3.S.1.6.5 Make simple predictions based on data.
Chapter 1, LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48** **Chapter 3, LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 4, Lesson 1, Process Skill, SE page 73; LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, Lesson 1, Process Skill, SE page 95; LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 1: Nature of Science
Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills
3.S.1.6.6 Identify logical alternative explanations.
Chapter 1, LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48** **Chapter 3, Lesson 2, Process Skill, SE page 59; LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 4, LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, Lesson 1, Process Skill, SE page 95; LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, Lesson 2, Process Skill, SE page 147; LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 1: Nature of Science
Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills
3.S.1.6.7 Communicate the results of tests to others.
Chapter 1, LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48** **Chapter 3, LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 4, LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, Lesson 2, Process Skill, SE page 167; Lesson 3, Process Skill, SE page 175; LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 1: Nature of Science
Goal 1.8: Understand Technical Communication
3.S.1.8.1 Read and give multi-step instructions.
Chapter 1, LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48** **Chapter 3, LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 4, LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 2: Physical Science
Goal 2.1: Understand the Structure and Function of Matter and Molecules and Their Interactions
3.S.2.1.1 Use instruments to measure properties.
Chapter 3, Lesson 2, Video A, SE page 55; Video B, SE page 56; Video C, SE page 57 **Chapter 5, KnowZone, SE pages 96-97; Lesson 3, Video A, SE page 105** **Chapter 6, KnowZone, SE page 124-125; Lesson 3, Video B, SE page 128; Video C, SE page 129; Process Skill, SE page 131** **Chapter 7, LabTime Hands-On Activity, TRB pages 123-125; TG page 138** **Chapter 8, Lesson 1, Video C, SE page 187; LabTime Hands-On Activity. TRB ages 141-143, TG page 156**

Standard 2: Physical Science
Goal 2.1: Understand the Structure and Function of Matter and Molecules and Their Interactions
3.S.2.1.2 Identify the physical properties of solids, liquids, and gases.
Chapter 8, Lesson 1, Video A, SE page 157; Video B, SE page 158; Video C, SE page 159; Process Skills 161

Standard 2: Physical Science
Goal 2.1: Understand the Structure and Function of Matter and Molecules and Their Interactions
3.S.2.1.3 Explain that heating and cooling can cause changes of state in common materials.
Chapter 5, Lesson 2, Video B, SE page 100 **Chapter 8, Lesson 2, Video A, SE page 163; Video B, SE page 164; Video C, SE page 165; Critical Thinking, SE page 167; Lesson 3, Video A, SE page 171; LabTime Hands-On Activity. TRB ages 141-143, TG page 156**

Standard 2: Physical Science
Goal 2.3: Understand the Total Energy in the Universe Is Constant
3.S.2.1 Identify potential and kinetic energy.
See Level C: **Chapter 8, Lesson 1, Video B, SE page 158; Critical Thinking, SE page 161; Process Skill, SE page 161; LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156**

Standard 3: Biology
Goal 3.1: Understand the Theory of Biological Evolution
3.S.3.1.1 Describe the adaptations of plants and animals to their environment.
Chapter 1, KnowZone, SE pages 14-15 **Chapter 2, KnowZone, SE pages 36-37; Lesson 3, Video B, SE page 40; Video C, SE page 41; Critical Thinking, SE page 43; Process Skill, SE page 43**

Standard 3: Biology
Goal 3.2: Understand the Relationship between Matter and Energy in Living Systems
3.S.3.2.1 Describe the energy needed for living things to survive.
Chapter 1, Lesson 1, Video A, SE page 3; Video B, SE page 4; Video C, SE page 5; LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, Lesson 3, Video A, SE page 39** **Chapter 3, Lesson 1, Video A, SE page 47; Video B, SE page 48; Video C, SE page 49; KnowZone, Se pages 52-53**

Standard 3: Biology
Goal 3.2: Understand the Relationship between Matter and Energy in Living Systems
3.S.3.2.2 Compare and contrast the energy requirements of plants and animals.
Chapter 1, Lesson 1, Video A, SE page 3; Video B, SE page 4; Video C, SE page 5; LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, Lesson 3, Video A, SE page 39** **Chapter 3, Lesson 1, Video A, SE page 47; Video B, SE page 48; Video C, SE page 49; KnowZone, Se pages 52-53**

Standard 3: Biology
Goal 3.2: Understand the Relationship between Matter and Energy in Living Systems
3.S.3.2.3 Label a food chain that shows how organisms cooperate and compete in an ecosystem.
Chapter 2, Lesson 2, Video A, 31; Video B, SE page 32; Video C, SE page 33; LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48 **Energy Transfer, SE page 203**

Standard 3: Biology
Goal 3.2: Understand the Relationship between Matter and Energy in Living Systems
3.S.3.2.4 Diagram the food web and explain how organisms both cooperate and compete in ecosystems.
Chapter 2, Lesson 2, Video A, 31; Video B, SE page 32; Video C, SE page 33; LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48 **Energy Transfer, SE page 203**

Standard 4: Earth and Space Systems
Goal 4.1: Understand Scientific Theories of Origin and Subsequent Changes in the Universe and Earth Systems
3.S.4.1.1 Explain the reasons for length of a day, the seasons, and the year on Earth.
Chapter 6, Lesson 1, Video A, SE page 113; Video B, SE page 114; Video C, SE page 115; Process Skill, SE page 117; Lesson 3, Video A, SE page 127; Process Skill, SE page 131; LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120

Standard 5: Personal and Social Perspectives; Technology
Goal 5.1: Understand Common Environmental Quality Issues, Both Natural and Human Induced
3.S.5.1.1Identify local environmental issues.
Chapter 2, Lesson 1, Video C, SE page 27 **Chapter 3, Lesson 3, Video A, SE page 61; Video C, SE page 63** **Chapter 4, Lesson 3, Video B, SE page 84; Video C, SE page 85; Process Skill, SE page 87** **Chapter 5, Lesson 2, Video C, SE page 101; Critical Thinking, SE page 103**

Standard 5: Personal and Social Perspectives; Technology
Goal 5.2: Understand the Relationship between Science and Technology
3.S.5.2.1 Describe how technology helps develop tools.
Chapter 3, Lesson 2, Video A, SE page 55 **Chapter 4, Lesson 1, Critical Thinking, SE page 73** **Chapter 5, KnowZone, SE pages 96-97; Lesson 3, Video A, SE page 105** **Chapter 6, KnowZone, SE pages 124-125; Lesson 3, Video B, SE page 128; Video C, SE page 129; Critical Thinking, SE page 131** **Chapter 7, Lesson 3, Video A, SE page 149; Video B, SE page 150; Video C, SE page 151; Critical Thinking, SE page 153; Process Skill, SE page 153** **Chapter 8, KnowZone, SE pages 168-169**

Standard 5: Personal and Social Perspectives; Technology
Goal 5.2: Understand the Relationship between Science and Technology
3.S.5.2.2 Describe the development of tools over time.
Chapter 5, KnowZone, SE pages 96-97; Lesson 3, Video A, SE page 105 **Chapter 6, KnowZone, SE pages 124-125; Lesson 2, Video B, SE page 128; Video C, SE page 129; Critical Thinking, SE page 131** **Chapter 7, Lesson 3, Video A, SE page 149; Video B, SE page 150; Video C, SE page 151; Critical Thinking, SE page 153** **Chapter 8, KnowZone, SE pages 168-169**

Standard 5: Personal and Social Perspectives; Technology
Goal 5.3: Understand the Importance of Natural Resources and the Need to Manage and Conserve Them
3.S.5.3.1 Explain the concept of recycling.
Chapter 3, Lesson 3, Video A, SE page 61; Video C, SE page 63; Process Skill, SE page 65 **Chapter 4, Lesson 2, Video A, SE page 83; Video B, SE page 84; Video C, SE page 85** **Chapter 5, Lesson 2, Video C, SE page 101** **Chapter 9, Lesson 3, video C, SE page 195**

SRA Snapshots Video Science™ : Level B
correlation to
Idaho Science Content Standards
Grade 4

SRA Snapshots Video Science™ consists of four interdependent components. Each level has four program DVDs that provide engaging video lessons. The student edition (**SE**) provides student friendly text that reinforces the concepts introduced in the video. The Teacher's Resource Book (**TRB**) provides support activities in a blackline master format. The Teacher's Guide (**TG**) provides lesson planning, differentiated instruction activities, and answers to all student activities in the Student Edition.

KEY:

Reference	Program Component
Video	Video lessons on program DVDs
SE	Student Edition
TRB	Teacher's Resource Book
TG	Teacher's Guide

Standard 1: Nature of Science
Goal 1.1: Understand Systems, Order, and Organization
4.S.1.1.1 Explain that a system consists of organized group of related objects that form a whole.
Chapter 2, Lesson 1, Video A, SE page 25; Video B, SE page 26; Video C, SE page 27; Process Skill, SE page 29; Lesson 2, Video A, SE page 31; Video B, SE page 32; Video C, SE page 33; Process Skill, SE page 35; Lesson 3, Video A, SE page 39; Video B, SE page 40; Video C, SE page 41; LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48 **Chapter 3, Lesson 1, Video A, SE page 47; Video B, SE page 48; Lesson 2, Video A, SE page 55; Video B, SE page 56; Video C, SE page 57; Process Skill, SE page 59; Lesson 3, Video A, SE page 61; Video B, SE page 62; Video C, SE page 63; Critical Thinking, SE page 65** **Chapter 4, Lesson 2, Video C, SE page 77** **Chapter 5, Lesson 1, Video A, SE page 91; Video B, SE page 92; Lesson 2, Video A, SE page 97; Lesson 3, Video C, SE page 107; LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, Lesson 1, Video A, SE page 113; Video B, SE page 114; Video C, SE page 115; Lesson 2, Video A, SE page 119; Video C, SE page 121; LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, Lesson 1, Video C, SE page 137; Lesson 3, Video A, SE page 149; Video B, SE page 150; Video C, SE page 151; LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, Lesson 1, Video A, SE page 157; Video B, SE page 158; Video C, SE page 157; Lesson 2, Video A, SE page 163; Video B, SE page 164; Video C, SE page 165; Lesson 3, Video C, SE page 173; LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, Lesson 1, Video C, SE page 181; Lesson 2, Video C, SE page 187; LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 1: Nature of Science
Goal 1.2: Understand Concepts and Processes of Evidence, Models, and Explanations
4.S.1.2.1 Make and record observations then analyze and communicate the collected data.
Chapter 1, Lesson 2, Process Skill, SE page 13; LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48** **Chapter 3, LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 4, LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, Lesson 3, Process Skill, SE page 175; LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 1: Nature of Science
Goal 1.2: Understand Concepts and Processes of Evidence, Models, and Explanations
4.S.1.2.2 Define observations and inferences.
Chapter 1, Lesson 2, Process Skill, SE page 13; LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48** **Chapter 3, LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 4, LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, Lesson 3, Process Skill, SE page 175; LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 1: Nature of Science
Goal 1.2: Understand Concepts and Processes of Evidence, Models, and Explanations
4.S.1.2.3 Make, describe and/or use models.
Chapter 4, Lesson 1, Process Skill, SE page 73; LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84 **Chapter 6, Lesson 1, Process Skill, SE page 117** **Chapter 8, Lesson 3, Process Skill, SE page 175** **Chapter 9, Lesson 2, Process Skill, SE page 189**

Standard 1: Nature of Science
Goal 1.3: Understand Constancy, Change, and Measurement
4.S.1.3.1 Describe how changes occur and can be measured.
Chapter 5, Lesson 1, Video A, SE page 91; Lesson 2, Video B, SE page 98; Process Skill, SE page 101; Lesson 3, Video A, SE page 105; Video B, SE page 106; Video C, SE page 197 **Chapter 7, Lesson 2, Video A, SE page 143; Video B, SE page 144; Video C, SE page 145; Critical Thinking, SE page 147; Process Skill, SE page 147; Lesson 3, Video C, SE page 151; Process Skill, SE page 153** **Chapter 8, Lesson 1, Video C, SE page 159; Process Skill, SE page 161**

Standard 1: Nature of Science
Goal 1.3: Understand Constancy, Change, and Measurement
4.S.1.3.2 Measure in both U.S. Customary and International System of Measurement (metric system) units.
Chapter 1, LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 5, LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, Lesson 2, Video A, SE page 143; Video B, SE page 144; Video C, SE page 145; Process Skill, SE page 147** **Chapter 8, Lesson 3, Process Skill, SE page 175** **The Metric System, SE pages 200-201**

Standard 1: Nature of Science
Goal 1.5: Understand Concepts of Form and Function
4.S.1.5.1 Explain the relationship between shape and use.
Chapter 1, KnowZone, SE pages 14-15 **Chapter 2, KnowZone, SE pages 36-37** **Chapter 7, KnowZone, SE pages 140-141** **Chapter (, KnowZone, SE pages 196-197**

Standard 1: Nature of Science
Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills
4.S.1.6.1 Write questions that can be answered by conducting scientific tests.
Chapter 1, LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48** **Chapter 3, Lesson 3, Process Skill, SE page 65; LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 4, Lesson 3, Process Skill, SE page 85; LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 1: Nature of Science
Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills
4.S.1.6.2 Conduct scientific tests.
Chapter 1, LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48** **Chapter 3, Lesson 3, Process Skill, SE page 65; LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 4, Lesson 3, Process Skill, SE page 85; LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 1: Nature of Science
Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills
4.S.1.6.3 Use appropriate tools and techniques to gather and display data.
Chapter 1, LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48** **Chapter 3, LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 4, Lesson 1, Process Skill, SE page 73; LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, Lesson 1, Math in Science, SE page 117; Lesson 3, Math in Science, SE page 129; LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, Lesson 2, Process Skill, SE page 189; Lesson 3, Math in Science, SE page 195; LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 1: Nature of Science
Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills
4.S.1.6.4 Use data to construct a reasonable explanation.
Chapter 1, Lesson 1, Process Skill, SE page 7; LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, Lesson 2, Process Skill, SE page 35; LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48** **Chapter 3, Lesson 1, Process Skill, SE page 51; LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 4, Lesson 3, Process Skill, SE page 85; LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, Lesson 1, Process Skill, SE page 95; LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, Lesson 2, Process Skill, SE page 123; LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, Lesson 1, Process Skill, SE page 139; LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, Lesson 1, Process Skill, SE page 183; Lesson 3, Process Skill, SE page 195; LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 1: Nature of Science
Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills
4.S.1.6.5 Make predictions based on data.
Chapter 1, LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, Lesson 3, Process Skill, SE page 43; LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48** **Chapter 3, Lesson 1, Process Skill, SE page 51; LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 4, LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, Lesson 2, Process Skill, SE page 101; LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, Lesson 1, Process Skill, SE page 139; LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, Lesson 2, Process Skill, SE page 167; LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, Lesson 3, Process Skill, SE page 195; LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 1: Nature of Science
Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills
4.S.1.6.6 Analyze alternative explanations.
Chapter 1, LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48** **Chapter 3, Lesson 3, Process Skill, SE page 65; LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 4, Lesson 3, Process Skill, SE page 85; LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 1: Nature of Science
Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills
4.S.1.6.7 Communicate the results of tests to others in multiple formats.
Chapter 1, LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48** **Chapter 3, Lesson 3, Process Skill, SE page 65; LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 4, LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, Lesson 3, Process Skill, SE page 109; LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 1: Nature of Science
Goal 1.8: Understand Technical Communication
4.S.1.8.1 Analyze and follow multi-step instructions.
Chapter 1, LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48** **Chapter 3, LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 4, LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 2: Physical Science
Goal 2.1: Understand the Structure and Function of Matter and Molecules and Their Interactions
4.S.2.1.1 Use instruments to measure properties.
Chapter 1, LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 5, LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, Lesson 2, Video A, SE page 143; Video B, SE page 144; Video C, SE page 145; Process Skill, SE page 147** **Chapter 8, Lesson 3, Process Skill, SE page 175** **The Metric System, SE pages 200-201**

Standard 2: Physical Science
Goal 2.1: Understand the Structure and Function of Matter and Molecules and Their Interactions
4.S.2.1.2 Describe the physical properties of solids, liquids, and gases.
Chapter 7, Lesson 1, Video C, SE page 137; Process Skill, SE page 139

Standard 2: Physical Science
Goal 2.1: Understand the Structure and Function of Matter and Molecules and Their Interactions
4.S.2.1.3 Explain the changes caused by heating and cooling materials.
Chapter 7, Lesson 1, Video C, SE page 137; Critical Thinking, SE page 139; Process Skill, SE page 139; Lesson 3, Video C, SE page 151

Standard 3: Biology
Goal 3.1: Understand the Theory of Biological Evolution
4.S.3.1.1 Analyze and communicate the adaptations of plants and animals to their environment.
Chapter 1, Lesson 2, Video C, SE page 11; KnowZone, SE pages 14-15; LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, KnowZone, SE pages 36-37** **Chapter 3, Lesson 1, Video A, SE page 47; Video B, SE page 48; Lesson 2, Video B, SE page 56**

Standard 3: Biology
Goal 3.1: Understand the Theory of Biological Evolution
4.S.3.1.2 Describe the difference between vertebrate and invertebrate animals.
Chapter 1, Lesson 2, Video A, SE page 9; Video B, SE page 10; Process Skill, SE page 13; KnowZone, SE pages 14-15

Standard 3: Biology
Goal 3.1: Understand the Theory of Biological Evolution
4.S.3.1.3 Classify the five groups of vertebrates (mammal, reptiles, amphibians, birds, and fish) based on characteristics.
Chapter 1, Lesson 2, Video B, SE page 10; Process Skill, SE page 13

Standard 4: Earth and Space Systems
Goal 4.1: Understand Scientific Theories of Origin and Subsequent Changes in the Universe and Earth Systems
4.S.4.1.1 Compare and contrast the basic components of our solar system (planets, sun, moon, asteroids, comets, meteors).
Chapter 6, Lesson 1, Video A, SE page 113; Video B, SE page 114; Video C, SE page 115; Critical Thinking, SE page 117; Process Skill, SE page 117; Lesson 2, Video A, SE page 119; Video B, SE page 120; Video C, SE page 121; Critical Thinking, SE page 123; Process Skill, SE page 123

Standard 4: Earth and Space Systems
Goal 4.1: Understand Scientific Theories of Origin and Subsequent Changes in the Universe and Earth Systems
4.S.4.1. 2 Explain the effect of gravity on orbits and objects.
Chapter 5, Lesson 2, Video A, SE page 97 **Chapter 6, Lesson 1, Video C, SE page 115** **Chapter 7, Lesson 2, Video B, SE page 144** **Chapter 8, Lesson 3, Video A, SE page 171**

Standard 4: Earth and Space Systems
Goal 4.1: Understand Scientific Theories of Origin and Subsequent Changes in the Universe and Earth Systems
4.S.4.1. 3 Explain the effect of moon's gravity on Earth's tides.
Chapter 6, Lesson 1, Video C, SE page 115

Standard 5: Personal and Social Perspectives; Technology
Goal 5.2: Understand the Relationship between Science and Technology
4.S.5.2.1 Identify tools used for space exploration and for scientific investigations.
Chapter 6, Lesson 3, Video A, SE page 125; Video B, SE page 126; Video C, SE page 127; Critical Thinking, SE page 129; Math in Science, SE page 129; Process Skill, SE page 129; KnowZone, SE pages 130-131

SRA Snapshots Video Science™ : Level C
correlation to
Idaho Science Content Standards
Grade 5

SRA Snapshots Video Science™ consists of four interdependent components. Each level has four program DVDs that provide engaging video lessons. The student edition (**SE**) provides student friendly text that reinforces the concepts introduced in the video. The Teacher's Resource Book (**TRB**) provides support activities in a blackline master format. The Teacher's Guide (**TG**) provides lesson planning, differentiated instruction activities, and answers to all student activities in the Student Edition.

KEY:

Reference	**Program Component**
Video	Video lessons on program DVDs
SE	Student Edition
TRB	Teacher's Resource Book
TG	Teacher's Guide

Standard 1: Nature of Science
Goal 1.1: Understand Systems, Order, and Organization
5.S.1.1.1 Compare and contrast different systems.
Chapter 1, Lesson 1, Process Skill, SE page 7 **Chapter 2, Lesson 1, Video B, SE page 26; Process Skill, SE page 29; Lesson 2, Video A, SE page 31; Video B, SE page 32; Video C, SE page 33; Process Skill, SE page 35** **Chapter 3, Lesson 3, Video A, SE page 61; Video B, SE page 62** **Chapter 4, Lesson 2, Video C, SE page 77; LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, Lesson 1, Video A, SE page 91; Video B, SE page 92; Video C, SE page 93; Lesson 2, Video B, SE page 100; LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, Lesson 1, Video A, SE page 113; Video B, SE page 114; Video C, SE page 115; Lesson 2, Video A, SE page 119; Video B, SE page 120; Video C, SE page 121; Lesson 3, Video A, SE page 127; LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, Lesson 1, video C, SE page 137; Lesson 2, Video A, SE page 144; Video C, SE page 145; Lesson 3, Video A, SE page 149; Video B, SE page 150; Video C, SE page 151** **Chapter 8, Lesson 3, Video B, SE page 172; Video C, SE page 173** **Chapter 9, Lesson 1, Video A, SE page 179; Video B, SE page 180; Video C, SE page 181; Lesson 2, Video A, SE page 187; Video B, SE page 188; Video C, SE page 189; Lesson 3, Video A, SE page 193; Video B, SE page 194; Video C, SE page 195**

Standard 1: Nature of Science
Goal 1.2: Understand Concepts and Processes of Evidence, Models, and Explanations
5.S.1.2.1 Use observations and data as evidence on which to base scientific explanations and predictions.
Chapter 1, LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48** **Chapter 3, LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 4, LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, Lesson 2, Process Skill, SE page 101; LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, Lesson 2, Process Skill, SE page 191; LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 1: Nature of Science
Goal 1.2: Understand Concepts and Processes of Evidence, Models, and Explanations
5.S.1.2.2 Explain the difference between observation and inference.
Chapter 1, Lesson 2, Process Skill, SE page 13; LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48** **Chapter 3, Lesson 1, Process Skill, SE page 51; Lesson 3, Process Skill, SE page 65; LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 4, Lesson 2, Process Skill, 81; LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, Lesson 1, Process Skill, SE page 139; Lesson 2, Process Skill, SE page 147; LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, Lesson 3, Process Skill, SE page 197; LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 1: Nature of Science
Goal 1.2: Understand Concepts and Processes of Evidence, Models, and Explanations
5.S.1.2.3 Use models to explain or demonstrate a concept.
Chapter 1, Lesson 1, Process Skill, SE page 7 **Chapter 4, Lesson 3, Process Skill, SE page 87** **Chapter 5, LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 9, Lesson1, Process Skill, SE page 183**

Standard 1: Nature of Science
Goal 1.3: Understand Constancy, Change, and Measurement
5.S.1.3.1 Analyze changes that occur in and among systems.
Chapter 7, Lesson 1, Video B, SE page 137; Video B, SE page 138; Lesson 2, Video A, SE page 143; Video B, SE page 144; Video C, SE page 145; Lesson 3, Video A, SE page 149; Video B, SE page 150; Video C, SE page 151; Critical Thinking, SE page 153; Process Skill, SE page 153; LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138 **Chapter 8, Lesson 2, Video B, SE page 164; Critical Thinking, SE page 167; Process Skill, SE page 167; Lesson 3, Video B, SE page 172; Video C, SE page 173; LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, Lesson 1, Video A, SE page 179; Video B, SE page 180; Video C, SE page 181; Critical Thinking, SE page 183; Lesson 2, Video A, SE page 187; Video B, SE page 188; Video C, SE page 189; Critical Thinking, SE page 191; Process Skill, SE page 191; Lesson 3, Video A, SE page 193; Video B, SE page 194; Video C, SE page 195; Critical Thinking, SE page 195; LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 1: Nature of Science
Goal 1.3: Understand Constancy, Change, and Measurement
5.S.1.3.2 Measure in both U.S. Customary and International System of Measurement (metric system) units with an emphasis on the metric system.
Chapter 1, LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 5, Lesson 3, Process Skill, SE page 107; LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 7, Lesson 2, Video B, SE page 144; LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, Lesson 2, process Skill, Se page 165; KnowZone, SE pages 168-169; LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, Lesson 2, Process Skill, SE page 191** **The Metric System, SE pages 200-201**

Standard 1: Nature of Science
Goal 1.5: Understand Concepts of Form and Function
5.S.1.5.1 Explain how the shape or form of an object or system is frequently related to its use or function.
Chapter 1, Lesson 2, Video A, SE page 9; Lesson 3, Video A, SE page 15

Standard 1: Nature of Science
Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills
5.S.1.6.1 Write and analyze questions that can be answered by conducting scientific experiments.
Chapter 1, Lesson 2, Process Skill, SE page 13; LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48** **Chapter 3, Lesson 1, Process Skill, SE page 51; Lesson 3, Process Skill, SE page 65; LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 4, Lesson 2, Process Skill, 81; LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, Lesson 1, Process Skill, SE page 139; Lesson 2, Process Skill, SE page 147; LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, Lesson 3, Process Skill, SE page 197; LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 1: Nature of Science
Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills
5.S.1.6.2 Conduct scientific investigations using a control and a variable.
Chapter 1, Lesson 2, Process Skill, SE page 13; Lesson 3, Process Skill, SE page 19 **Chapter 3, Lesson 3, Process Skill, SE page 65** **Chapter 7, Lesson 2, Process Skill, SE page 147** **Chapter 8, Lesson 2, Process Skill, SE page 167**

Standard 1: Nature of Science
Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills
5.S.1.6.3 Select and use appropriate tools and techniques to gather and display data.
Chapter 1, Lesson 1, Video A, SE page 3; Video B, SE page 4: Video C, SE page 5; Lesson 2, Video A, SE page 9; Video B, SE page 10; Video C, SE page 11; Lesson 3, Video A, SE page 15; Video B, SE page 16 **Chapter 5 LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, Lesson 3, Video B, SE page 128; Video C, SE page 129** **Chapter 7, Lesson 2, Video B, SE page 144; LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, Lesson C, Video C, SE page 165; KnowZone, SE pages 168-169** **Chapter 9, Lesson 2 Process Skill, SE page 191**

Standard 1: Nature of Science
Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills
5.S.1.6.4 Use evidence to analyze descriptions, explanations, predictions, and models.
Chapter 1, LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48** **Chapter 3, LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 4, LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, Lesson 2, Process Skill, SE page 101; LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, Lesson 2, Process Skill, SE page 191; LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 1: Nature of Science
Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills
5.S.1.6.5 State a hypothesis based on observations.
Chapter 1, Lesson 2, Process Skill, SE page 13 **Chapter 3, , Process Skill, SE page 51; Lesson 3, Process Skill, SE page 65** **Chapter 4, Lesson 2, Process Skill, SE page 81** **Chapter 7, Lesson 1, Process Skill, SE page 139; Lesson 2, , Process Skill, SE page 147** **Chapter 9, Lesson 3, Process Skill, SE page 197**

Standard 1: Nature of Science
Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills
5.S.1.6.6 Compare alternative explanations and predictions.
Chapter 1, LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, Lesson 3, Process Skill, SE page 43; LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48** **Chapter 3, Lesson 1, Process Skill, SE page 51; LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 4, LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, Lesson 1, Process Skill, SE page 95; LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, Lesson 3, Process Skill, SE page 153; LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, Lesson 2, Process Skill, SE page 191; LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 1: Nature of Science
Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills
5.S.1.6.7 Communicate scientific procedures and explanations.
Chapter 1, LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48** **Chapter 3, LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 4, LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, Lesson 3, Process Skill, SE page 131; LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 1: Nature of Science
Goal 1.8: Understand Technical Communication
5.S.1.8.1 Read and follow technical instructions.
Chapter 1, LabTime Hands-On Activity 1, TRB pages 15-17, TG page 30 **Chapter 2, LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48** **Chapter 3, LabTime Hands-On Activity 3, TRB pages 51-53, TG page 66** **Chapter 4, LabTime Hands-On Activity 4, TRB pages 69-71, TG page 84** **Chapter 5, LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102** **Chapter 6, LabTime Hands-On Activity 6, TRB pages 105-107, TG page 120** **Chapter 7, LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138** **Chapter 8, LabTime Hands-On Activity 8, TRB pages 141-143, TG page 156** **Chapter 9, LabTime Hands-On Activity 9, TRB pages 159-161, TG page 174**

Standard 2: Physical Science
Goal 2.1: Understand the Structure and Function of Matter and Molecules and Their Interactions
5.S.2.1.1 Describe the differences among elements, compounds, and mixtures.
Chapter 7, Lesson 1, Video A, SE page 135; KnowZone, SE pages 140-141; LabTime Hands-On Activity 7, TRB pages 123-125, TG page 138

Standard 2: Physical Science
Goal 2.1: Understand the Structure and Function of Matter and Molecules and Their Interactions
5.S.2.1.2 Compare the physical differences among solids, liquids, and gases.
Chapter 7, Lesson 1, Video B, SE page 136; Writing in Science, SE page 139

Standard 2: Physical Science
Goal 2.1: Understand the Structure and Function of Matter and Molecules and Their Interactions
5. S.2.1.3 Explain the nature of physical change and how it relates to physical properties.
Chapter 7, Lesson 2, Video A, SE page 143; Video B, SE page 144 **Chapter 8, Lesson 2, Video C, SE page 165**

Standard 3: Biology
Goal 3.2: Understand the Relationship between Matter and Energy in Living Systems
5.S.3.2.1 Communicate how plants convert energy from the sun through photosynthesis.
Level C: **Chapter 1, Lesson 2, Video A, SE page 9** **Chapter 7, Lesson 3, Video A, SE page 149** **See also Level B:** **Chapter 2, Lesson 2, Video A, SE page 31; LabTime Hands-On Activity 2, TRB pages 33-35, TG page 48**

Standard 3: Biology
Goal 3.3: Understand the Cell Is the Basis of Form and Function for All Living Things
5.S.3.3.1 Compare and contrast the structural differences between plant and animal cells.
Chapter 1, Lesson 2, Video A, SE page 9

Standard 3: Biology
Goal 3.3: Understand the Cell Is the Basis of Form and Function for All Living Things
5.S.3.3.2 Explain the concept that traits are passed from parents to offspring.
Chapter 2, Lesson 2, Video B, SE page 32

Standard 4: Earth and Space Systems
Goal 4.1: Understand Scientific Theories of Origin and Subsequent Changes in the Universe and Earth Systems
5.S.4.1.1 Describe the interactions among the solid earth, oceans, and atmosphere (erosion, climate, tectonics and continental drift).
Chapter 4, Lesson 1, Video A, SE page 69; Video B, SE page 70; Video C, SE page 71; Pr0cess Skill, SE page 73; KnowZone, SE page 74-75; Lesson 2, Video A, SE page 77; Video B, SE page 78; Video C, SE page 79; Critical Thinking, SE page 81; Lesson 3, Video C, SE page 85; Critical Thinking, SE page 87; Process Skill, SE page 87 **Chapter 5, Lesson 1, Video A, SE page 91; Video B, SE page 92; Video C, SE page 93; Critical Thinking, SE page 95; Lesson 2, Video A, SE page 97; Video B, SE page 98; Critical Thinking, SE page 101; Process Skill, SE page 101; Lesson 3, Video A, SE page 103; Video B, SE page 104; Video C, SE page 105; Critical Thinking, SE page 107**

Standard 4: Earth and Space Systems
Goal 4.2: Understand Geochemical Cycles and Energy in the Earth System
5.S.4.2.1 Explain the rock cycle and identify the three classifications of rocks.
Chapter 4, Lesson 3, video A, SE page 83

Standard 5: Personal and Social Perspectives; Technology
Goal 5.1: Understand Common Environmental Quality Issues, Both Natural and Human Induced
5.S.5.1.1 Identify issues for environmental studies.
Chapter 2, Lesson 1, Video C, SE page 27 **Chapter 3, Lesson 1, Video C, SE page 49; Lesson 3, Video A, SE page 61; Video B, SE page 62; Video C, SE page 63** **Chapter 5, Lesson 2, Video C, SE page 49; LabTime Hands-On Activity 5, TRB pages 87-89, TG page 102**

Standard 5: Personal and Social Perspectives; Technology
Goal 5.2: Understand the Relationship between Science and Technology
5.S.5.2.1 Describe how science and technology are part of a student's life.
Chapter 1, Lesson 3, Critical Thinking, SE page 19 **Chapter 3, Lesson 3, Video C, SE page 62; Video C, SE page 63** **Chapter 4, Lesson 1, Critical Thinking, SE page 73; Lesson 3, Vide C, SE page 85; Critical Thinking, SE page 87** **Chapter 5, Lesson 1, Video C, SE page 93; Critical Thinking, SE page 95; Lesson 2, Video C, SE page 99; Critical Thinking, SE page 101** **Chapter 6, Lesson 3, Video A, SE page 127; Video B, SE page 128; Video C, SE page 129; Critical Thinking, SE page 131** **Chapter 8, Lesson 1, Video C, SE page 159; Lesson 3, Video C, SE page 173**

Standard 5: Personal and Social Perspectives; Technology
Goal 5.2: Understand the Relationship between Science and Technology
5.S.5.2.2 List examples of science and technology.
Chapter 1, Lesson 3, Critical Thinking, SE page 19 **Chapter 2, Lesson 2, Critical Thinking, SE page 57** **Chapter 3, Lesson 3, Video C, SE page 62; Video C, SE page 63** **Chapter 4, Lesson 3, Vide C, SE page 85; Critical Thinking, SE page 87** **Chapter 5, Lesson 1, Video C, SE page 93; Critical Thinking, SE page 95; Lesson 2, Video C, SE page 99; Critical Thinking, SE page 101** **Chapter 6, Lesson 3, Video A, SE page 127; Video B, SE page 128; Video C, SE page 129; Critical Thinking, SE page 131** **Chapter 8, Lesson 1, Video C, SE page 159; Lesson 3, Video C, SE page 173**

Standard 5: Personal and Social Perspectives; Technology
Goal 5.3: Understand the Importance of Natural Resources and the Need to Manage and Conserve Them
5.S.5.3.1 Identify the differences between renewable and nonrenewable resources.
Chapter 3, Lesson 2, Video B, SE page 63; Video C, SE page 63 **Chapter 4, Lesson 3, Video B, SE page 84; Video C, SE page 85; Critical Thinking, SE page 87** **Chapter 5, Lesson 1, Video A, SE page 91; Lesson 2, Video A, SE page 97; Video C, SE page 99; Critical Thinking, SE page 101** **Chapter 8, Lesson 1, Video C, SE page 159; Lesson 3, Video C, SE page 173; Critical Thinking, SE page 175**