Mrs. Jackie Wurtz Pacing Guide: 3rd-7th Science

Note: Subject to Change – this is simply for planning

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| **Date** | **Week** | **3rd** | **4th** | **5th** | **6th** | **7th** |  |
| Aug. 22-25 | 1 | Procedures & Expectations | Procedures & Expectations | Procedures & Expectations | Procedures & Expectations | Procedures & Expectations |  |
| Aug. 28-31 | 2 | Unit 1-Lesson 1  How Do Scientists Investigate Questions? | Unit 1-Lesson 1  What Do Scientists Do? | Unit 1 Lesson 1  What is Science? | Continuing Previous Year  Unit 10 Lesson 1  What are Fossils? | Continuing Previous year  **Book A** Unit 2 Lesson 1  Mitosis |  |
| Sept. 5-8 | 3 | Lesson 3  How Do Scientists Use Tools? | Lesson 2  What Skills Do Scientists Use? | Unit 1 Lesson 3  What are some types of Investigations? | Lesson 2  What was ancient Earth Like? | Lesson 2 Meiosis |  |
| Sept.11-15 | 4 | Lesson 5  How Do Scientists Use Data? | Lesson 3  How Do Scientists Collect & Use Data? | Unit 1 Lesson 4  How do you perform a controlled experiment? | Unit 10 Review  & People in Science | Lesson 3  Sexual & Asexual Reproduction |  |
| Sept. 18-22 | 5 | Careers in Science  & Unit 1 Review | Lesson 4  Why Do Scientists Compare Results?  &  People in Science | Unit 1 Lesson 5  What are some science tools? | Unit 11  Lesson 1  What are the oceans like? | Lesson 4  Heredity |  |
| Sept. 25-29 | 6 | Unit 2  Lesson 1  How Do Engineers Use the Design Process? | Lesson 5  What Kinds of Models Do Scientists Use? | Unit 1 Lesson 6  How can scientists learn from observations? | Lesson 2  How does ocean water move? | Lesson 5 Punnett Squares & Pedigrees |  |
| Oct. 2-6 | 7 | Lesson 3  How Are Technology & Science Related? | Lesson 6  How Can You Model a School & Unit 1 Review | Careers in science & Unit 1 Review | Lesson 4  What are some ocean ecosystems? | Lesson 6  DNA Structures & Function |  |
| Oct. 10-13 | 8 | Careers in Science & Unit 2 Review | Unit 2 Lesson 1  What is an Engineering Design Process? | Unit 2 Lesson 1 What is the design process? | Unit 11 Review & People in Science |  |  |
| Oct. 16-20 | 9 | Unit 3  Lesson 1 What Are Some Plant Life Cycles? | Lesson 2 How Can You Design a Solution to a Problem? | Unit 2 Lesson 2 How can you design a solution to a problem? | Unit 12 Lesson 1  What objects are part of the solar system? | Book A Unit 2  Review & People in Science |  |
| Oct. 23-27 | 10 | Unit 3  Lesson 2  What are Some Animal Life Cycles? | Lesson 3 What is Technology? | Unit 2 Lesson 3 How does technology improve our lives? | Lesson 3  What are stars and galaxies? | Book A  21st Century Skills & Coding |  |
| Oct. 30-Nov. 3 | 11 | Lesson 4  What Are Structural Adaptations? | Lesson 4 How Do We Use Technology & People in Science  & Unit 2 Review | Careers in Science and Unit 2 Review | Unit 12 Review & People in Science | **Book B**  Unit 1 Lesson 1  Introduction to Living Things |  |
| Nov. 6-10 | 12 | Lesson 6 What are Behavioral Adaptations? | Unit 3 Lesson 1  What are Some Plant Structures | Unit 3 Lesson 1  What are cells? | Unit 13 Lesson 1  What are solids, liquids, and gases? | Lesson 2  Theory of Evolution by Natural Selection |  |
| Nov. 13-17 | 13 | People in Science  &  Unit 3 Review | Lesson 2  How do Plants Reproduce? | Unit 3 Lesson 3  How do cells work together? | Lesson 3  How does matter change? | Lesson 3 Evidence of Evolution |  |
| Nov. 20-21 | 14 | Unit 4  Lesson 1 What are Ecosystems? | Lesson 3 How can we Observe a Plant’s Life Cycle? | Unit 3 Lesson 4  How do our bodies move, breathe, and circulate blood? | Lesson 4  What are mixtures and solutions? | Lesson 4 The History of Life on Earth |  |
|  |  | | | |  |  |  | |  |  |
| Nov. 27-Dec. 1 | 15 | Lesson 3  What is a Food Chain? | Lesson 4  How do Animals Reproduce? | Unit 3 Lesson 5  How do our bodies digest food, remove waste, and send messages? | Lesson 6  What is the Atomic Theory? | Lesson 5 Classification of Living Things |  |
| Dec. 4-8 | 16 | Lesson 5 How Do Environmental Changes Affect Living Things? | Lesson 5 How are Living Things Adapted to Their Environment? | Unit 3 Lesson 6  How do our bodies stay cool? | Unit 13 Review & People in Science | Book B Unit 1 Review |  |
| Dec. 11-15 | 17 | People in Science  & Unit 4 Review | Lesson 6  How do Bird Beaks Differ?  & Unit 3 Review | People in science and Unit 3 review | Unit 14  Lesson 1  What is sound? | Book B Unit 2 Lesson 1 Archaea, Bacteria, and Viruses |  |
| Dec. 18-21 |  |  | Unit 4 Lesson 1  What are Populations, Habitats, & Niches? |  | Lesson 3  What is Light? | Lesson 2  Protists and Fungi |  |
|  |  | | | |  |  |  | |  |  |
| Jan. 3-5 | 1 | Unit 5  Lesson 1  What are Some Landforms? | Lesson 2 What are Food Chains? | Unit 4 Lesson 1  How are living things grouped? | Unit 14 Lesson 4  What are some Properties of Light? | Lesson 3 Introduction to Plants |  |
| Jan. 8-12 | 2 | Lesson 2  How Does Earth’s Surface Change Slowly? | Lesson 3 How can we Models a Food Web? | Unit 4 Lesson 3  How do plants grow and reproduce? | Unit 14 Review & People in Science | Lesson 4  Plant Processes |  |
| Jan. 16-19 | 3 | Lesson 4 How Does Earth’s Surface Change Quickly? | Lesson 4 What are Natural Resources? | Unit 4 Lesson 5  How do animals grow and reproduce? | Unit 15 Lesson 1  What are forces? | Lesson 5  Introduction to Animals |  |
| Jan. 22-26 | 4 | People in Science  & Unit 5 Review | Lesson 5 How do People Impact Ecosystems? | Unit 4 Lesson 6  What are physical and behavioral adaptations? | Lesson 4  What are Newton’s Laws? | Lesson 6 Animal Behavior |  |
| Jan. 29-Feb. 2 | 5 | Unit 6  Lesson 1 What are Some Natural Resources? | Lesson 6 How do People Affect Their Environment?  & People in Science & Unit 4 Review | People in science and Unit 4 review | Unit 15 Review  S.T.E.M.  & Careers in Science | Book B  Unit 2 Review |  |
| Feb. 5-9 | 6 | Lesson 3  What is Soil? | Unit 5-Lesson 1  What is the Water Cycle? | Unit 5 Lesson 1  What is an ecosystem? | 21st Century Skills Technology & Coding | 21st Century Skills Technology & Coding |  |
| Feb. 12-16 | 7 | People in Science  &  Unit 6 Review | Lesson 2 What are Types of Weather? | Unit 5 Lesson 3 How do environmental changes affect organisms? | **Book H**  Unit 1 Matter  Lesson 1 Introduction to Matter | **Book H**  Unit 1 Matter  Lesson 1 Introduction to Matter |  |
| Feb. 20-23 | 8 | Unit 7  Lesson 1 What is the Water Cycle? | Lesson 3 How is Weather Predicted? | Careers in Science and Unit 5 review | H/Unit 1 Lesson 2 Properties of Matter | H/Unit 1 Lesson 2 Properties of Matter |  |
| Feb. 26-Mar. 1 | 9 | Lesson 2  What is Weather? | Lesson 4 How can we Observe Weather Patterns?  & People in Science & Unit 5 Review | Unit 6 Lesson 1  What are roles of organisms in ecosystems? | H/Unit 1 Lesson 3 Physical and Chemical Changes | H/Unit 1 Lesson 3 Physical and Chemical Changes |  |
| March 4-6 | 10 | People in Science  &  Unit 7 Review | Unit 6 Lesson 1  How do the Sun, Earth, & Moon Interact?  & People in Science | Unit 6 Lesson 2  How does energy move through ecosystems? | H/Unit 1 lesson 4 Pure Substances and Mixtures | H/Unit 1 lesson 4 Pure Substances and Mixtures |  |
| March 11-14 | 11 | Unit 8  Lesson 1  How do Earth & Its Moon Move? | Lesson 2 What are Moon Phases? | People in science and Unit 6 review | H/Unit 1 lesson 5 States of Matter | H/Unit 1 lesson 5 States of Matter |  |
|  |  | | | |  |  |  | |  |
| March 18-22 | 12 | People in Science  & Unit 8 Review | Lesson 3 How Does the Moon Move Around Earth? | Unit 7 Lesson 1  How do people use resources? | H/Unit 1 lesson 6 Changes of State | H/Unit 1 lesson 6 Changes of State |  |
| Mar 25-28 | 13 | Unit 9  Lesson 1 What Are Some Physical Properties? | Lesson 4 What are the Planets in Our Solar System? | Unit 7 Lesson 2  How do people conserve resources? | H/Unit 1 Review | H/Unit 1 Review |  |
| April 2-5 | 14 | Lesson 2 What are the States of Matter? | Lesson 5 How can we Model the Sun & Planets?  & Unit 6 Review | Careers in science and Unit 7 review | H/ Unit 2  Lesson 1  Introduction to Energy | H/ Unit 2  Lesson 1  Introduction to Energy |  |
| April 8-12 | 15 | Lesson 4  What are Some Changes in Matter? | Unit 7 Lesson 1  What are Physical Properties of Matter? | Unit 8 Lesson 1 How do weathering and erosion shape Earth’s surface? | H/Unit 2  Lesson 2  Temperature | H/Unit 2  Lesson 2  Temperature |  |
| April 15-19 | 16 | Careers in Science  & Unit 9 Review | Lesson 2 How are Physical Properties Observed  & Careers in Science | Unit 8 Lesson 3  How do movements of the crust change Earth? | H/Unit 2 Lesson 3  Thermal Energy & Heat | H/Unit 2 Lesson 3  Thermal Energy & Heat |  |
| Apr. 22-26 | 17 | Unit 10  Lesson 1  What are Simple Machines? | Lesson 3 What is Conservation of Mass? | Careers in science and unit 8 review | H/Unit 2  Lesson 4  Effects of Energy | H/Unit 2  Lesson 4  Effects of Energy |  |
| Apr. 29-May 3 | 18 | Lesson 2 What are Some Other Simple Machines? | Lesson 4 What are the States of Water? | Unit 9 Lesson 1  What are minerals? | H/Unit 2 Review | H/Unit 2 Review |  |
| May 6-10 | 19 | People in Science & Unit 10 Review | Unit 7 Review | Unit 9 Lesson 3  How can rocks be classified? |  |  |  |
| May 13-15 | 20 |  |  |  |  |  |  |