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| Benchmarks | Garden Example lessons |
| **Standard 1: SCIENTIFIC INVESTIGATION** | |
| SC.7.1.1 – **Scientific Inquiry** – Design a scientific investigation to answer a question and test a hypothesis. |  |
| SC.7.1.2 – Understand and explain the importance of multiple trials. |  |
| SC.7.1.3 – **Scientific Knowledge** – Evaluate and revise conclusions based on new scientific evidence gathered. |  |
| **Standard 2: NATURE OF SCIENCE/SCIENTIFIC PROCESS**  NO BENCHMARKS | |
| **Standard 3: ORGANISMS AND THE ENVIRONMENT** | |
| SC.7.3.2 **– Interdependence** – Explain how organisms interact with one another in the ecosystem. |  |
| **Standard 4: STRUCTURE AND FUNCTION IN ORGANISMS** | |
| SC.7.4.1 – **Living Systems** – Explain cell theory and the differences between unicellular and multicellular organisms. |  |
| SC.7.4.2 – Explain the various types of cells according to their structure and function. |  |
| SC.7.4.3 - Describe the levels of organization within an organism from the smallest unit of life to the whole organism. |  |
| SC.7.4.4 – **Classification** – Classify organisms by comparing the similarities and differences found internally and externally. |  |
| **Standard 5: DIVERSITY, GENETICS, AND EVOLUTION** | |
| SC.7.5.1 – **Heredity** – Sexual and asexual reproduction: advantages and disadvantages. |  |
| SC.7.5.2 – Explain how traits can be determined by one or more genes. |  |
| SC.7.5.3 – Explain small difference in traits between parents and offspring over successive generations. |  |
| SC.7.5.4 – **Unity and Diversity** – Explain how the organism’s body structure contributes to its ability to survive and reproduce. |  |
| SC.7.5.5 – **Biological Evolution** – Generalize how life and the environment have changed over time. |  |
| **Standard 6: NATURE OF MATTER AND ENERGY**  NO BENCHMARKS | |
| **Standard 7: FORCE AND MOTION**  NO BENCHMARKS | |
| **Standard 8: EARTH AND SPACE SCIENCE**  NO BENCHMARKS | |