|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INTERACTIVE SCIENCE**  **Grade 1 Physical Science Dates: September 11 – November 13 (includes Week October 23)**  **Chapter 1: Energy** | | | | | | |
| **Big Question** | **# days (60 min block)** | **Lessons** | **I will know. . .** | **Vocabulary** | **Inquiry Activities** | **Performance Expectation/NGSS** |
| **What can energy do?**  **Reading Skill:**  Cause and Effect  Graphic organizer online  *See differentiated instruction for extra support/ELL strategies for each lesson.*  **Assessments:**  **Teachers Choice**  Interactive Activities 5pts  Planet Diaries 5pts  Explore It 5pts  Writing Responses 5pts  Graphic organizers 5pts  Lesson Quiz *6 pts*  **Required**  Chapter Lab Investigate It! 10 pts  Performance Activity or Assessment 10 pts  Chapter Assessment *10 pts*  STEM or Math Optional | 2 days | Chapter Opener  Is That a Magnet on Your Fridge? Untamed Science™ Video | *DCI-1*  *PE-1*  *SEP-K-2* | Vocabulary Smart Cards p. 35-36 | Try It!  What does light do? | Investigate vibrations related to sound waves.  Make observations to construct an evidence-based account that objects can be seen only when illuminated.  Plan and conduct an investigation to determine the effect of placing objects made with different materials in the path of a beam of light.  Use tools and materials to design and build a device that uses light or sound to solve the problem of communicating over a distance. |
| 3 days | Lesson 1 How do we use energy?  p. 17-19 | *I will know how energy is used.* | electricity  energy | Did you know? My Planet Diary |
| 3 days | Lesson 2 What gives off heat?  p. 21-23 | *I will know what gives off heat.* | heat | Explore It!  Texture and Heat |
| 3 days | Lesson 3 What is light?  p. 25-27 | *I will know what light can do.* | shadow | Virtual Lab  Searching with Light |
| 3 days | Lesson 4 What is sound?  p. 29-31 | *I will know how sounds are made.* | vibrate | Explore It!  How can you make sound? |
| 4 days | Chapter Wrap-Up   1. Assessment T.E. p. 39a-39b 2. Performance Assessment (choose 1) p. 43a-43d   3. Inquiry - Experiment T.E. p.40 |  |  | Investigate It!  What sounds can bottles make?  Apply It!  How does light move through water? |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Grade 1 Life Science Week of November 27 – March 8 (Flex Week of December 18)**  **Chapter 2: Plants and Animals** | | | | | | |
| **Big Question** | **# days (60 min block)** | **Lessons** | **I will know. . .** | **Vocabulary** | **Inquiry Activities** | **Performance Expectation/NGSS** |
| How are living things alike and different?  **Reading Skill:**  Compare and Contrast  Graphic organizer blackline masters are online.  *See differentiated instruction for extra support/ELL strategies for each lesson.*  **Assessments:**  **Teachers Choice**  Interactive Activities 5pts  Planet Diaries 5pts  Explore it 5pts  Writing Responses 5pts  Graphic organizers 5pts  Lesson Quiz 6 pts  **Required**  Chapter Lab investigate it! 10 or 20 pts  Performance Activity 10 pts  Chapter Assessment 10 pts  STEM or Math Optional | 2 Days | Chapter Opener  Living or Nonliving Untamed Science™ Video  Pg. 44 | *DCI-1*  *PE-1*  *SEP-K-2* | Vocabulary Smart Cards p. 89-92 | Try It!  How are flowers alike and different?  Optional - Stem Activity | Use materials to design a solution to a human problem by mimicking how plants and or animals use their external parts to help them survive, grow, and meet their needs.  Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive.  Make observations to construct an evidence-based account that young plants and animals are alike but not exactly like their parents. |
| 3 Days | Lesson 1 What are some groups of living things?  p. 58-63 | *I will know how to compare and classify living things.* | backbone | What are some groups of living things?  My Planet Diary – Did You Know? |
| 3 days | Lesson 2 What are some parts of plants?  p. 64-67 | *I will know plant parts and will construct explanations about what those parts do.* | root  Stem  leaf | What are some parts of plants?  My Planet Diary- Did You Know? |
| 3 days | Lesson 3 How do plants grow?  p. 68-71 | *I will know how to use observations and evidence to communicate how plants grow.* | life cycle  seedling | Explore It?  How does a seed grow? |
| 3 days | Lesson 4 How do some animals grow?  p. 72-77 | *I will know how to observe how some animals grow and change.* | nymph | How do some animals grow?  My Planet Diary – Fact or Fiction? |
| 3 days | Lesson 5 How are living things like their parents?  p. 78-81 | *I will know how to use observations to compare and contrast parents and their young.* | parent | Explore It!  How are babies and parents alike and different? |
| 3 days | Lesson 6 How are groups of living things different?  p. 82 - 85 | *I will know how to compare living things to show how they are alike and different.* | herd | Explore it!  How are bodies different? |
| 4 days | Chapter Wrap-Up  Performance Wrap-Up  1.Assessmentred(Required)T.E. p. 95a-95b  2. Performance Task(Required -Choose 1) T.E. p. 99a-99c  3. Experiment- Apply It!  (Required)T.E. p. 96-97 |  |  | Investigate It!  How do different seeds grow?  Apply it!  How can a mouse’s color keep it safe from hawks? |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Grade 1 Earth Science March 12 – May 14 (Flex Week of April 9 and Week of May 21 and 28)**  **Chapter 3: Patterns in Space** | | | | | | |
| **Big Question** | **# days (60 min block)** | **Lessons** | **I will know. . .** | **Vocabulary** | **Inquiry Activities** | **Performance Expectation/NGSS** |
| **Why is the sun important?**  **Reading Skill:**  Picture Clues  *Graphic Organizer online*  *See differentiated instruction for ELL strategies*  **Assessments:**  **Teachers Choice**  Interactive Activities 5pts  Planet Diaries 5pts  Explore it 5pts  Writing Responses 5pts  Graphic organizers 5pts  Lesson Quiz *6 pts*  **Required**  Chapter Lab investigate it! 10 pts  Performance Activity 10 pts  Chapter Assessment *10 pts*  STEM or Math Optional | 2 | Chapter Opener  Untamed Science™ Video  p.100 | *DCI-1*  *PE-1*  *SEP-K-2* | Vocabulary Smart Cards  T.E. p. 131-132 | Try It! How does the sun’s movement cause shadows to change?  Optional- Stem Activity “How does a Greenhouse work?” | Use observations of the sun, moon, and starts to describe patterns that can be predicted.  Make observations at different times of the year to relate the amount of day light to the time of year. |
| 3 | Lesson 1 What is the sun?  T.E. p. 114-117 | *I will know ways the sun helps and harms the Earth.* | sun | My Planet Diary – Invention! |
| 3 | Lesson 2 What causes day and night?  T.E .p. 118-123 | *I will know what causes day and night.* | rotation | Explore It! How Does the shape of the moon appear to change? |
| 3 | Lesson 3 What are the four seasons?  T.E. p. 124-127 | *I will know how weather changes from season to season.* | seasons | My Planet Diary – Fact or Fiction? |
| 4 | Chapter Wrap-Up  1. Assessment  2. Performance Task (Choose 1)  3. Experiment T.E. p. 128-139 |  |  | Investigate It! Why can we see things in the night sky?  Apply It! Does the sun warm land or water faster? |