

Grade 2.1

| Week | Unit | Content |
|------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Weather | Describe four types of weather and the tools to measure them Complete a weekly weather report |
| 2 | | |
| 3 | | |
| 4 | Desert Habitat | Identify major desert areas and what lives in them. Explore animal and plant adaptations allowing them to live and survive in the desert Create a creature |
| 5 | | |
| 6 | | |
| 7 | Life Cycle of the Ant | Classify the different stages of an Ants life as well as their different roles Construct an ant farm in a bottle. |
| 8 | | |
| 9 | | |
| 10 | Review | |
| 11 | Changes in matter | Identify three different states of matter. Solid, liquid, gas. Explain how physical property change in matter by creating a crystal tree. |
| 12 | | |
| 13 | | |
| 14 | Mixtures and Solutions | Interpret how mixtures that contain different substances can easily be separated. Magic Milk. Fireworks in a jar. Lava lamp |
| 15 | | |
| 16 | | |
| 17 | The wind is coming | Discover what causes wind and how we can use it for energy. Design and create pinwheels and windmills to capture wind energy. |
| 18 | | |
| 19 | | |
| 20 | Review | |
| 21 | | |

Grade 2.2

| Week | Unit | Content |
|------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Day and Night | Observe the moon and its phases. Study the sun and its heat. Create a solar updraft tower. |
| 2 | | |
| 3 | | |
| 4 | Space Camp | Identify some significant events in Space Travel history Astronaut docking activity, food dehydration, moving to outer space. |
| 5 | | |
| 6 | | |
| 7 | Power On | Understand how electricity and basic circuits work and how we use it in our daily lives. Use simple circuitry to design and create a working Harry Potter wand |
| 8 | | |
| 9 | | |
| 10 | Review | |
| 11 | Waterworks | How can we use water to make electricity, design and create a waterwheel? |
| 12 | | |
| 13 | | |
| 14 | Simple machines | Understand levers and pulleys help us lift heavy loads. Understand wedges help us break things apart and screws help hold them together. Discover wheels and axels, how they work. |
| 15 | | |
| 16 | | |
| 17 | Paper Recycling | Use paper to create flower pots instead of plastic. |
| 18 | | |
| 19 | | |
| 20 | Review | |
| 21 | | |