



OPERATION CURIOSITY & WONDER

Directions: Each week, read the suggested reading to your learner. Gather observations, questions, and data throughout the week that help you solve the mystery and write/discuss your own ending to the mystery!

Week 1- Everyday Earth Science Mysteries “Where Are All the Acorns?”

Science Concepts	
<ul style="list-style-type: none">• Systems• Light• Reflection	<ul style="list-style-type: none">• Rotation/Revolution• Time

Week 2: Everyday Earth Science Mysteries “Master Gardener”

Science Concepts	
<ul style="list-style-type: none">• State of Matter• Change of State• Physical Change• Melting• Systems• Heat Energy	<ul style="list-style-type: none">• Energy• Rock Cycle• Weathering• Erosion• Deposition

Week 3: Everyday Life Science Mysteries “Trees from Helicopters”

Science Concepts	
<ul style="list-style-type: none">• Classification• Life Processes• Living Things• Structure and Function• Plants• Adaptation• Genetics/Inheritance• Variation	<ul style="list-style-type: none">• Energy• Systems• Cycles• Reproduction• Genes• Life Cycles• Continuity of Life

Week 4: Everyday Life Science Mysteries “Trees from Helicopters Continued”

Science Concepts	
<ul style="list-style-type: none">• Plant Life• Adaptation• Reproduction• Structure and Function• Life Processes	<ul style="list-style-type: none">• Living things• Germination• Life Cycles• Characteristics of Life



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Week 5: Everyday Life Science Mysteries- “Seedlings in a Jar”

Science Concepts	
<ul style="list-style-type: none">• Photosynthesis• Systems• Contents of atmosphere	<ul style="list-style-type: none">• Closed systems• Germination• Experimental design

Week 6: Everyday Life Science Mysteries- Frosty Morning

Science Concepts	
<ul style="list-style-type: none">• States of Matter• Change of State• Physical Change• Melting• Systems• Reflection	<ul style="list-style-type: none">• Heat Energy• Temperature• Energy• Water Cycle• Evaporation• Condensation

Week 7: Everyday Earth Science Mysteries- “Moon Tricks”

Science Concepts	
<ul style="list-style-type: none">• Periodic motion• Time• Reflection• Revolution	<ul style="list-style-type: none">• Astronomical motion• Pattern seeking• Light• Rotation