

Table of Contents

Forward	4
Introduction	6
How to Use the Lesson Plan Template	10
Rubric	13
STEM Vocabulary	14
Big Ideas/Science Concepts	15
Glossary of Terms	16
Next Generation Science Standards	18
Common Core Standards Addressed	19
Light	
Why is Light Important to Our Lives?	28
How Does Light Travel in Air?.....	30
How Does Light Travel in Water?	34
How Does Light Interact with Different Materials?	38
How are Light, Heat, and Temperature Related?.....	43
Unit Summative Assessment.....	49
Extension Menu.....	51
Support and Scaffolding	53
Static Electricity, Electricity, and Magnetism	
How Do Electricity and Magnetism Affect Life on Earth?	54
What Does a Magnet Attract?.....	56
What Does It Mean to Attract and Repel?	60
How Strong is Your Magnet?.....	65
What is the Relationship Between Magnetism and Electricity?	69
Unit Summative Assessment.....	74
Extension Menu.....	76
Support and Scaffolding	78
Solids and Liquids	
How Do We Manipulate Solids and Liquids to Improve Our Lives?	79
What is a Solid? What is a Liquid?.....	81
Can Solids Become Liquids? Can Liquids Become Solids?	85
How Can We Separate Different Solids?	90
How Can We Separate Different Liquids?	94
Summative Assessment.....	99
Extension Menu.....	101
Support and Scaffolding	103
Audience Response Sheet	104
KWL Chart	105
References	106