

Curriculum Map Science

Publisher Nancey Larson Grade 2

Month	Objectives/Learning Goals	Applicable State & National Learning Standards	Assessments
August	Students will be able to describe the job of a scientist. They will classify matter as living or non-living. They will identify human-made and natural objects.	LS1D, ETS1A, PS1A, ESS2E, PS1A	Students will have different kinds of assessments throughout the month. They will have worksheets, activities, and class discussions that I will use to check for understanding. In addition, formal assessments will be given at the end of each booklet.
September	Students will sort objects by the material from which they are made. They will identify solids, liquids, and gases. Students will learn about the color, luster, texture, hardness, flexibility, buoyancy, and mass of solids. In addition, they will identify the properties of liquids and gases. Also, they will learn how matter changes state.	PS1A, PS1B, ETS2A	Students will have different kinds of assessments throughout the month. They will have worksheets, activities, and class discussions that I will use to check for understanding. In addition, formal assessments will be given at the end of each booklet.
October	Students will be able to describe the transparency of matter. They will learn about different types of magnets and what matter is attracted to magnets. In addition, they will learn the names of the magnetic poles and be able to demonstrate that like poles repel and unlike poles attract.	PS1A, PS4B, PS2B, PS3C, ETS2A	Students will have different kinds of assessments throughout the month. They will have worksheets, activities, and class discussions that I will use to check for understanding. In addition, formal assessments will be given at the end of each booklet.

November	Students will classify rocks by size. In addition, they will observe and describe the physical properties of rocks. They will learn about the physical properties of minerals and be able to compare the hardness of different minerals. Students will observe the crystal structure of the mineral halite and be able to identify the minerals in granite.	PS1A, ESS3A, ETS2B	Students will have different kinds of assessments throughout the month. They will have worksheets, activities, and class discussions that I will use to check for understanding. In addition, formal assessments will be given at the end of each booklet.
December	Students will demonstrate how the mass of an object affects the amount of force needed to move the object. They will learn about gravity . Also, they will observe and describe how friction changes the movement of objects. They will demonstrate and describe how a lubricant affects friction between two objects.	PS2A, PS2B, PS2C, PS3C, ETS1A, PS3D,	Students will have different kinds of assessments throughout the month. They will have worksheets, activities, and class discussions that I will use to check for understanding. In addition, formal assessments will be given at the end of each booklet.

<p>January</p>	<p>Students will observe how large wheels make it easier to move over an obstacle. They will learn how an inclined plane and friction affects the distance a toy car can travel. They will learn what happens when objects of different masses travel down an inclined plane. We will discuss how an inclined plane makes work easier. Alos, we will learn about the characteristics of wedges and screws. The students will learn about the parts of a lever. They will demonstrate how a lever works while identifying the load, fulcrum, and effort of the lever.</p>	<p>PS2A, PS2B, PS2C, PS3C, ETS1A, PS3D, ETS2A. ETS1B, ETS2B</p>	<p>Students will have different kinds of assessments throughout the month. They will have worksheets, activities, and class discussions that I will use to check for understanding. In addition, formal assessments will be given at the end of each booklet.</p>
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February	<p>Students will learn about the characteristics of wheels and axles. They will demonstrate how a pulley works. In addition they will be able to describe and identify different machines that people use. Students will learn about ways to conserve or recycle plastic and paper. They will learn about sound and what causes loud or soft sounds. We will learn about how people hear sounds. We will learn about the pitch of a sound by making an instrument that produces different pitches. We will identify the colors of the light spectrum. In addition, we will look at how light travels and learn about different sources of light. The children will look at what determines the color of objects.</p>	<p>ETS1A, ETS1B, ES3C, ETS2B, ESS3C, PS4A, PS4C, ETS1C</p>	<p>Students will have different kinds of assessments throughout the month. They will have worksheets, activities, and class discussions that I will use to check for understanding. In addition, formal assessments will be given at the end of each booklet.</p>
March	<p>We will identify the colors of the light spectrum. In addition, we will look at how light travels and learn about different sources of light. The children will look at what determines the color of objects.</p>	<p>PS3B, PS4B</p>	<p>Students will have different kinds of assessments throughout the month. They will have worksheets, activities, and class discussions that I will use to check for understanding. In addition, formal assessments will be given at the end of each booklet.</p>

<p>April</p>	<p>The students will study the characteristics of birds. We will look at how birds move and the characteristics of their bodies. The students will be able to identify the characteristics of birds' legs and feet. In addition, we will look at the sounds birds make. The students will identify different types of birds by using a bird identification guide.</p>	<p>LS1A, LS1B, LS3A, LS4D, LS1C, LS2A</p>	<p>Students will have different kinds of assessments throughout the month. They will have worksheets, activities, and class discussions that I will use to check for understanding. In addition, formal assessments will be given at the end of each booklet.</p>
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