

| Identifier | Poplar - Grade 2 - Science | | Introduced | Completed |
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| 2 S 1 | PHYSICAL SCIENCE | | | |
| 2 S 1.1.01 | Forces and Motion | Observe and describe objects moving at different speeds. | | |
| 2 S 1.1.02 | Forces and Motion | Assemble, take apart, and reassemble constructions using interlocking blocks, erector sets, and the like. | | |
| 2 S 1.2.01 | Structure and Properties of Matter | Describe objects in terms of their observable properties (e.g., state of matter, size, shape, color, texture). | | |
| 2 S 1.2.02 | Structure and Properties of Matter | Put small objects together to form bigger objects. | | |
| 2 S 1.3.01 | Energy and Matter | Describe an object as hot or cold. | | |
| 2 S 1.3.02 | Energy and Matter | Investigate and describe how objects can change state (e.g., melting ice cube). | | |
| 2 S 1.3.03 | Energy and Matter | Investigate and describe how sound can be produced by vibrating objects and how it has different properties (e.g., high-low, soft-loud). | | |
| 2 S 2 | LIFE SCIENCE | | | |
| 2 S 2.1.01 | Structure and Function | Investigate and describe how living things grow and change. | | |
| 2 S 2.1.02 | Structure and Function | Distinguish living from nonliving things using established criteria. | | |
| 2 S 2.2.01 | Internal and External Influences on Organisms | Explain that some diseases are caused by germs and some are not; diseases caused by germs may be spread by people who have them. | | |
| 2 S 2.3.01 | Heredity and Diversity | Investigate and describe how particular animals have offspring that are the same kind of animal. | | |
| 2 S 2.3.02 | Heredity and Diversity | Investigate and describe how some living things look alike and others do not. | | |
| 2 S 3 | EARTH AND SPACE SCIENCES | | | |
| 2 S 3.1.01 | Earth Structures and Composition | Describe that rocks come in many sizes and shapes and have interesting textures, colors, and patterns. | | |
| 2 S 3.2.01 | Earth History | Investigate and describe how changes happen to many things (e.g., weather). | | |
| 2 S 3.3.01 | Cycles of Matter and Energy | Investigate and describe how the sun warms the land, air, and water. | | |
| 2 S 3.3.02 | Cycles of Matter and Energy | Investigate and describe how weather changes from day to day and throughout the year. | | |
| 2 S 3.4.01 | Solar System and Universe | Observe and describe the sun, moon, planets, and stars. | | |
| 2 S 3.4.02 | Solar System and Universe | Describe the movement of some of the objects in the sky. | | |
| 2 S 4 | ENVIRONMENTAL SCIENCES | | | |
| 2 S 4.1.01 | Ecosystems | Investigate and describe the roles of plants as producers and animals as consumers and how living things may depend on each other. | | |
| 2 S 4.1.02 | Ecosystems | Investigate and describe how animals eat plants or other animals for food and may also use plants or even other animals (for shelter and nesting). | | |
| 2 S 4.2.01 | Natural Resources | Investigate and describe how some resources can be used and reused. | | |
| 2 S 4.2.02 | Natural Resources | Describe the various resources that provide the necessary things that are used by people in their daily lives. | | |
| 2 S 4.3.01 | Conservation | Describe how people live in different places in different ways. | | |
| 2 S 4.3.02 | Conservation | Describe how some things in students' daily lives change and other things stay the same. | | |
| 2 S 5 | THE NATURE AND HISTORY OF SCIENCE | | | |
| 2 S 5.1.01 | Scientific, Historical, and Technological Perspectives | Explain that everybody can invent things and ideas. | | |
| 2 S 5.2.01 | Systems, Models, Risk, and Predictions | Explain that something may not work if some of its parts are missing. | | |
| 2 S 6 | SCIENTIFIC INQUIRY: PROCESSES AND SKILLS | | | |
| 2 S 6.1.01 | Scientific Values and Attitudes | Make observations and give descriptions using words, numbers, and drawings. | | |
| 2 S 6.1.02 | Scientific Values and Attitudes | Record observations of investigations over time in a notebook or journal (e.g., growth of a plant, changes in weather). | | |
| 2 S 6.2.01 | Communication Skills | Follow verbal instructions accurately. | | |
| 2 S 6.2.02 | Communication Skills | Produce simple pictographs to describe observations. | | |
| 2 S 6.2.03 | Communication Skills | Cooperate and contribute ideas within a group. | | |
| 2 S 6.3.01 | Scientific Applications of Mathematics | Give rough estimates of numerical answers to problems before calculating. | | |
| 2 S 6.3.02 | Scientific Applications of Mathematics | Recognize unexpected or unusual results in activities. | | |
| 2 S 6.4.01 | Laboratory Skills and Safety | Keep a record of observations and measurements taken over time. | | |