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| 2 -  Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties. |
| 2 -  Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.\* |
| 2 -  Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object. |
| 2 -  Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot. |
| 2 -  Plan and conduct an investigation to determine if plants need sunlight and water to grow. |
| 2 -  Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants.\* |
| 2 -  Make observations of plants and animals to compare the diversity of life in different habitats. |
| 2 -  Use information from several sources to provide evidence that Earth events can occur quickly or slowly. |
| 2 -  Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land.\* |
| 2 -  Develop a model to represent the shapes and kinds of land and bodies of water in an area. |
| 2 -  Obtain information to identify where water is found on Earth and that it can be solid or liquid. |
| 2 -  Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem. |
| 2 -  Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs. |
| 2 -  Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool. |