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| K -   |  | | --- | | Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object. | |
| |  | | --- | | K -  Analyze data to determine if a design solution works as intended to change the speed or direction of an object with a push or a pull.\* | |
| K -  Use observations to describe patterns of what plants and animals (including humans) need to survive. |
| K -  Construct an argument supported by evidence for how plants and animals (including humans) can change the environment to meet their needs. |
| K -  Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live. [ |
| K -  Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment.\* |
| K -  Make observations to determine the effect of sunlight on Earth’s surface. |
| K -  Use tools and materials to design and build a structure that will reduce the warming effect of sunlight on an area.\* |
| K -  Use and share observations of local weather conditions to describe patterns over time. |
| K -  Ask questions to obtain information about the purpose of weather forecasting to prepare for, and respond to, severe weather.\* |
| K -  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. |
| K -  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. |
| K -  Analyze data from tests of two objects designed to solve the same problem to compare the strength and weaknesses of how each performs. |