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|  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.  |

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|  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.\*  |

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| 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. |