

Curriculum Map

| | Content and Essential Questions | Skills: Students will... | Assessment | Materials/Technology Resources |
|--|---|--|--|---|
| | <p>Motion of Objects PS 3, 4</p> <ul style="list-style-type: none"> • How do we notice motion? • What causes motion? • What are the various ways objects move? | <ul style="list-style-type: none"> • develop an understanding that a change in location or position means motion has occurred. • work with the concept that motion is caused by a pushing or pulling motion (force) • experience and name a variety of motions of objects: straight, zigzag, circular, back and forth, fast, slow, etc. | <ul style="list-style-type: none"> • be able to describe motion in a variety of situations • recognize whether a push or pull was involved in a given action • draw a pattern to demonstrate different patterns of motion • demonstrate different patterns of motion | <ul style="list-style-type: none"> • gather a variety of objects that can demonstrate variety of actions • video clips of objects in motion |
| | <p>Weight and balance PS 5</p> <ul style="list-style-type: none"> • What is weight and what causes it? • What is balance? • How does weight effect balance? • What effects our sense of balance? | <ul style="list-style-type: none"> • explore ways to measure weight • investigate how the position of weight effects the balance or imbalance of an object • learn how to use weight for balancing our bodies and other objects | <ul style="list-style-type: none"> • use a balance to find the weight of an object • conduct experiments to investigate how the position of a weight effects the balance or imbalance of an object • explain how to use weight to stand (balance) on one foot. • demonstrate good observation skills in lab activities • pose questions based on the topic • set up a basic experiment to show the concept of balance • show and communicate results of experimenting | <ul style="list-style-type: none"> • balances for measuring weight • collections and/or pictures of objects in balance/imbalance • materials for testing balance ó blocks of wood, weights, baggies for a variety of objects |