

## **Pre Visit Activities**

- explore and investigate the principle of emphasis using various art mediums
- investigate the basic properties of light and sound
- design, build and test a periscope, a musical instrument or an amplifier
- begin a Know, Wonder, Learn (KWL) chart about light and sound to bring with you to Forest Valley
- use Google Images to search for examples of digital photography that captures local nature (i.e. search “ontario spring nature photography”)
- analyse orally and then in writing how the photographer used emphasis and the elements of design to capture the image
- have students translate a photograph into another artistic medium (pencil, charcoal, pastel etc.) to show emphasis

## **Post Visit Activities**

- explore and investigate the principle of emphasis using various art mediums
- investigate the basic properties of light and sound
- design, build and test a periscope, a musical instrument, or an amplifier
- use Google Images to search for examples of digital photography that captures local nature (i.e. search “Ontario spring nature photography”)
- analyse orally and then in writing how the photographer used emphasis and the elements of design to capture the image
- have students translate a photograph into another artistic medium (pencil, charcoal, pastel etc.) to show emphasis
- assess the impacts of light pollution of the city on animals at Forest Valley. Assess the impacts of noise pollution of the city on animals at Forest Valley
- discuss adaptations of plants to light at Forest Valley (baby trees have bigger leaves, meadow plants have narrower leaves because they are exposed to more light)
- create sound maps: students listen to all the sounds they hear in each location and record them on a piece of paper as a map
- create sound maps in a more populated area and a more natural area and compare the variety, volume, and distance of different sounds in each environment
- graph the results from the class