

## At Home Project

# SHADOWS

*Walk around your home or outside at a time when the sun is in the sky. What shadows do you notice? How do they change? What different surfaces do you notice shadows on?*

*Find some materials around your home and put them in front of a light source - from a window, flashlight, candle (with an adult) or a lamp. Can you create a shadow?*

*How can you play with shadows? How can you make them longer or shorter? Can you create a coloured shadow? Can you create a shadow on top of another shadow? How can you make darker or lighter shadows?*

*Draw objects and the shadows they make. What shapes do you notice? How is the shape and size of the shadow the same as and different than the object?*

*On a sunny day, place an object outside and observe and measure its shadow at three or four different times. If you have chalk, you could trace around the shadow. What do you notice? Record your measurements, including the unit you used to measure with.*

*Create a shadow story. Use your hands or cut out paper to make characters. What will your light source be? What sort of setting could you create? Share your story.*

*What else do shadows inspire you to think about or do?*

