

Day 2 – Shadows

Learning: How shadows are made.

Group Time

- Using the Lesson 2 Video for ideas, create PowerPoint, telling them the story of shadows.
- Go outside and draw each other's shadow.
- Give each child a compass and get them to find North, East, West. Stick labels where north, east and west are on the walls of the room.
- Demonstrate the movement of the sun from East, North, West, showing how your shadow changes.

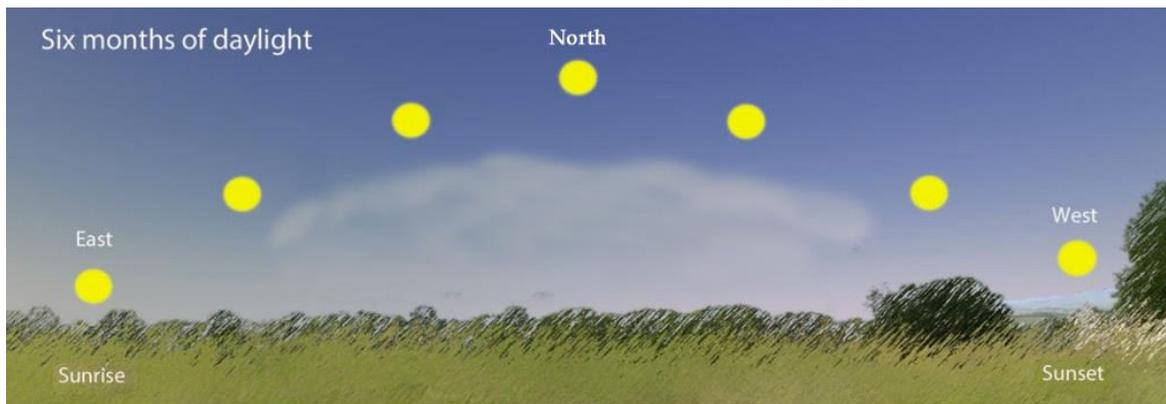
Experiment Changing Shadow

What you need:

- Torch x6
- Pillar x6
- Shadow worksheet
- North, East, West signs on walls.

What to do:

- Children turn on their torches
- Turn off the lights in the room
- Children move the torches like the sun and see what happens to the shadow of the pillar (From East -> North ->West)



- Fill out shadow worksheet.

Group Time

- How did the shadow of the pillar change when you moved the torch from east to west? The shadow moved from west to east.
- How did the shadow change when you had the torch quite low and compare to when you had the torch quite high? The shadow shortened.

If extra time discuss how shadows change for different seasons.

Experiment/Craft Colour of Shadows

What you need:

- Butterflies
- Cellophane
- Glue sticks
- Cellotape

- Torches

What to do:

- Glue the cellophane onto one of the butterfly to cover all holes
- Cellotape string to head.
- Stick the two sides of the butterfly together.
- Turn torches on.
- Turn off the lights in the room.
- See what happen when you shine a torch through the butterfly.

