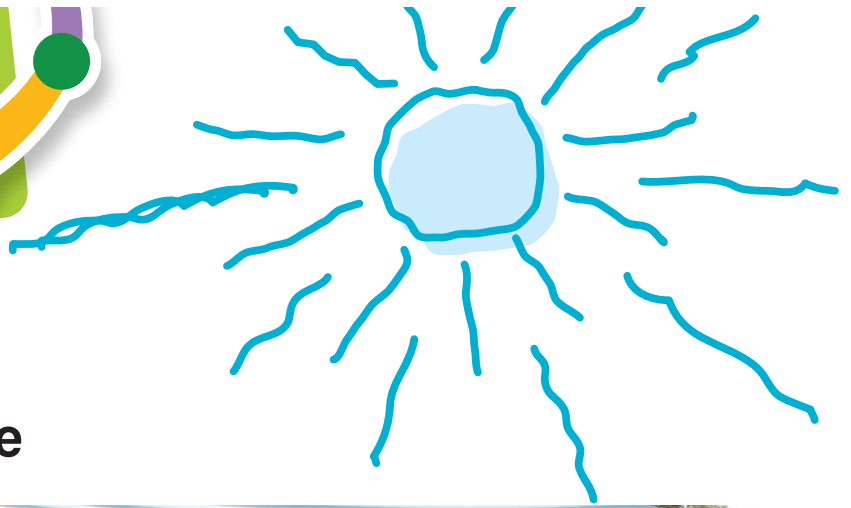


**Hands On!**



# Engineer It

## Plan and Build Shade



**Shade** is an area where the sun's light is blocked. People can make shade. Shade can protect you from the sun.

Ask a question.

.....  
Ask a question about what makes good shade.

## Explore

### Step 1

Define the problem.  
Share with a classmate.



### Step 2

Plan a way to make shade.

A large, empty rectangular box with a blue border, intended for children to draw or write their plan for making shade. A blue crayon icon is positioned at the top right corner of the box.

## Make

### Step 3

Build the shade.

.....  
Have children think about what makes good shade. Ask them where they have felt the coolest on a sunny day.



## Step 4

Put one rock in the sun.

Put the other rock in the shade.



Tell the teacher how you decided on roles with your partner.

## Step 5

After an hour, touch each rock.

How does each rock feel?

Did the shade protect the rock?

- Make a **claim**. Use **evidence**.

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- Make a claim about the difference the shade will make on how each rock feels.

**MAKING SENSE** What did you explore in this activity? How does this help you explain why it seems cooler in the shade than in the sun?