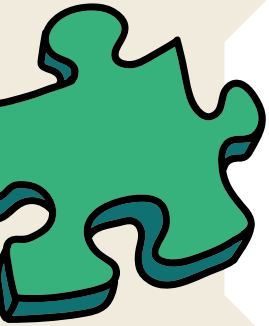




## BUILD A SOLAR OVEN

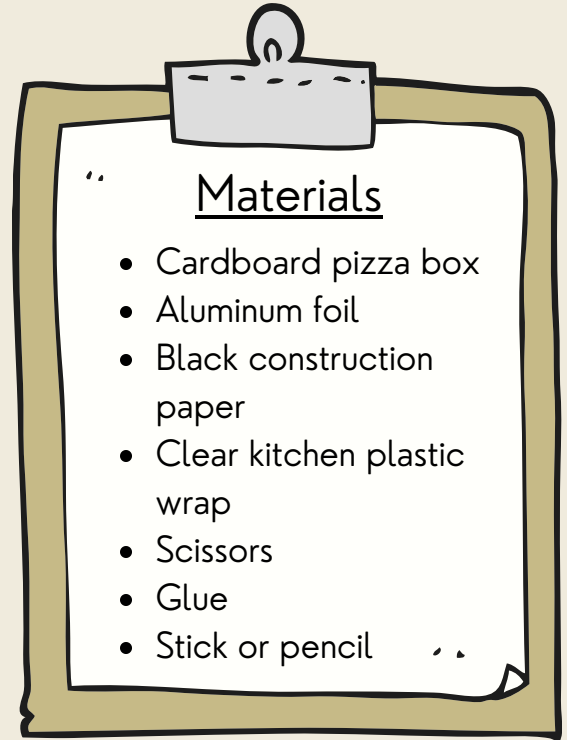
### PHENOMENON:

Heat and light from the sun can be converted into energy.



### CHALLENGE:

Build an oven that can use the light and heat energy from the sun to cook food.



### QUESTIONS TO CONSIDER:

- Which materials are better for reflecting the sun's light and heat?
- How can you keep the heat from escaping the box?
- What if the sun changes angles because of time or season?



### BEHIND THE SCENES:

Different materials and colors can reflect or trap heat (thermal) and light energy that is emitted from the sun. The light energy is reflected from the foil, and the plastic wrap traps the heat in the box, causing the temperature inside the box to increase.