

Idea A:

Shape matching game

1. You have a star shape to fit inside a star target. The shape currently does not match the size or orientation of the target.
2. Use the potentiometer to resize the shape
3. Use the light sensor to rotate the shape
4. Lastly press the button to lock in your shape in the target



potentiometer

turn right - shrink



potentiometer

turn left - grow



light sensor

more coverage - faster rotate
less coverage - slower rotate
no coverage - stop rotate



Initial set up

Target size + orientation

Idea B:

Sky simulator

1. Potentiometer adjusts height of sun in the sky
2. Light sensor adjusts cloud coverage in the sky



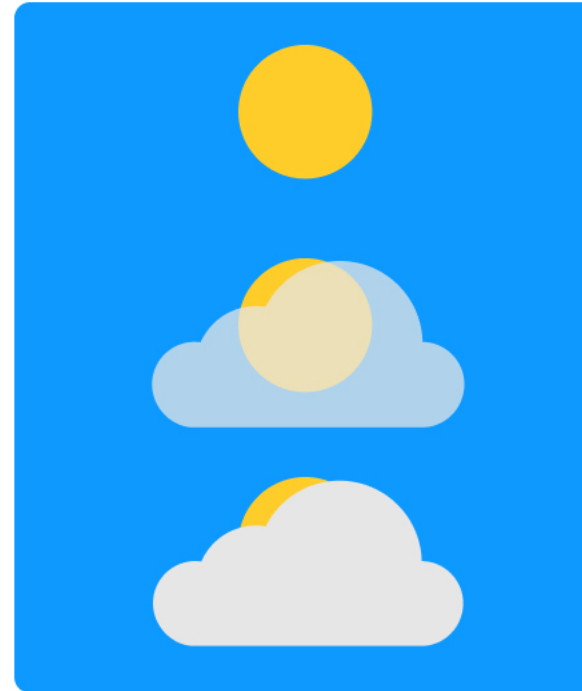
potentiometer

turn right - Sun goes down



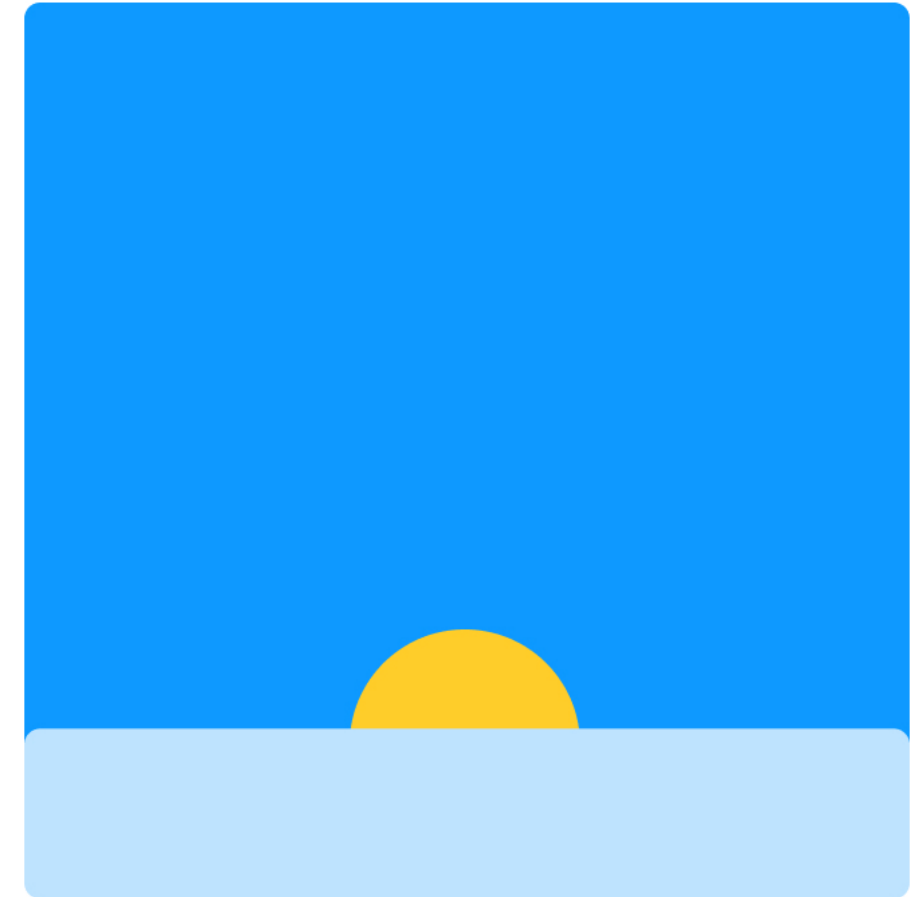
potentiometer

turn left - Sun goes up



light sensor

more coverage - clouds gain opacity
less coverage - clouds lose opacity



Initial set up