

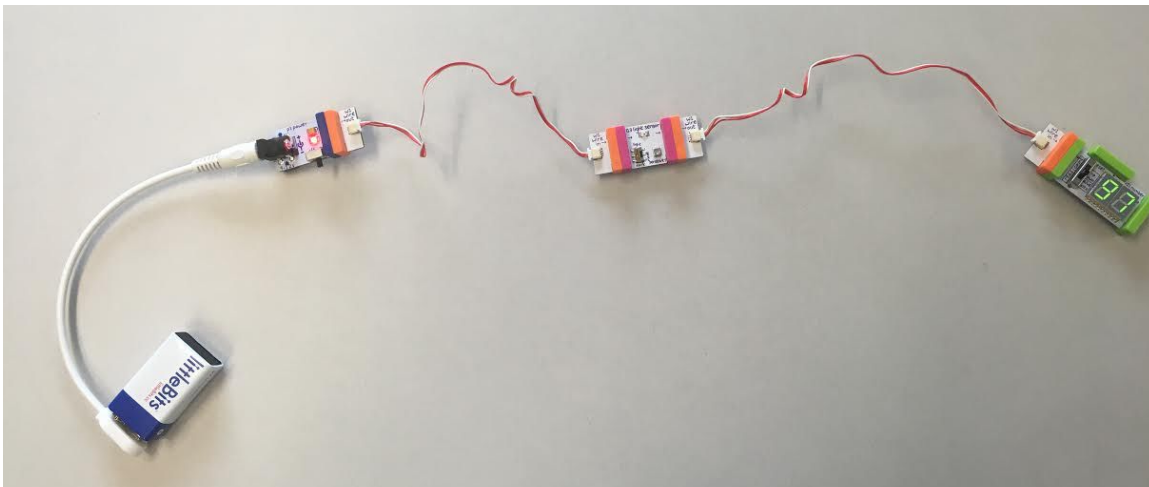
# Thinkspace - Seasons littleBits Light Sensor

## Activity Needs:

- Meter or yard stick
- Flashlight
- Sun Tracker (cut in half, with angles written on top)
- Light sensor (littleBits)
  - Power Bit (<https://shop.littlebits.cc/products/littlebits-power>)
    - 9-volt battery
  - Light Sensor Bit (<https://shop.littlebits.cc/products/light-sensor>)
  - Number Readout Bit (<https://shop.littlebits.cc/products/number-bit>)
  - 2 Wire Bits (<https://shop.littlebits.cc/products/wire-bit>)

## Set-Up

Place littleBits light sensor (power-wire-light sensor-wire-readout) underneath the half sun tracker. Hold meter stick, with flashlight taped at a predetermined length, perpendicular to the light sensor. Tilt meter stick to high, medium, and low sun angles, while being careful not to cause a shadow to fall on the light sensor.



## Tips and Tricks:

If the set-up is not reading out numbers properly check the pieces in the following order:

- |                       |  |
|-----------------------|--|
| Blue Power Bit        | Ensure switch is set to "On"               |
| Pink Light Sensor     | Ensure switch is set to "light"            |
| Green Number Read Out | Ensure switch is set to "read" and "value" |

If read out is maxed out (reading 99) at low light, adjust the sensitivity slider on the Pink Light Sensor.

