

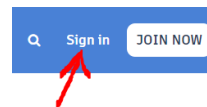
STEAM Lesson

Solar Panel Efficiency

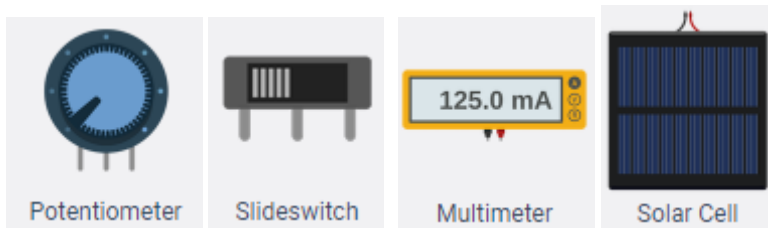


Electric circuit simulator

1. Login into TinkerCAD online (<https://www.tinkercad.com>)
2. Click Sign in icon (top left side of the screen)
3. Select Personal Accounts (If you don't have an account, you can sign in with your Gmail, Microsoft or Facebook account).
4. Select Circuits > Select Create New Circuit
5. Select Components All
6. Add the electrical components by drag and drop



Components needed:



Note: The potentiometer should have a 100 Ω resistance. You need 2 multimeters. Select one to work as a voltmeter and the other as an ammeter.

7. Start simulation when your circuit is completed

4. Draw the power-voltage graphic

