# TasksModel 3 – Solar fan

## Construction task model 3

Build model 3 according to the building instructions. Observe the following points:

* You can use an artificial light source with sufficient strength (such as an incandescent bulb or halogen bulb over 60 watts) for your experiments, as a replacement for sunlight.
* Always keep a safe minimum distance away from the light source (at least 30 cm, depending on the strength of the light source), since the solar modules can become very hot.

## Topic task

In our experiments with models 1 and 2, we discovered the three basic conditions that can increase the electricity production of a solar system, thereby causing the solar fan to turn faster or slower. Can you name these 3 conditions?

## Experimental task

We want the solar fan to turn as quickly as possible. Experiment once again with the two different ways to connect solar modules. Did you decide on series or parallel wiring?