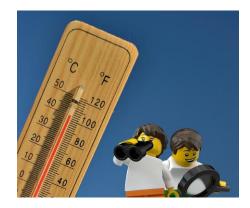# Cooling Fan

Introduces building and coding using the Motor Power Block to make the

motor turn at different speed

1. Introduction

(3 minutes)

Read the following story.

It is a hot day. Max and Mia's science lab is too warm.
They want to build a fan to cool down the science lab.
Max and Mia need your help!

2. Build the model

(5 minutes)

Now you should follow the building instructions to build the model of the fan.

Important
Please ensure that the smart hub has fresh batteries or that the smart hub
Rechargeable Battery is charged.

3. Connect the model to your device

4. Program the model

(3 minutes)

This program will make the fan turn at a motor power of 2.

1. Create the program shown by dragging and dropping the relevant program block(s) onto the screen.
2. Press the default motor power (8) and change it to *2*.
3. Press the yellow Start Block to run the program.

Explain to each other how the fan works.

Once you have created and run their programs, explain the program and the function of the fan to your parents.