STEM@CGI
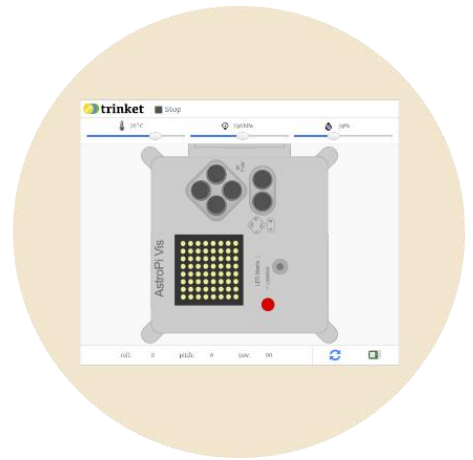## SCIENCE - TECHNOLOGY - ENGINEERING - MATHEMATICS

CGI

STEM@CGI **At Home**

"STEM@CGI At Home" offers weekly STEM based activity packs with practical STEM activities for children. **Get your family involved, learn and have fun**!

ACTIVITY – RAINBOW PREDICTOR
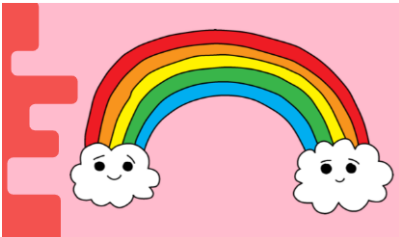
Introduction

In this project you will use the temperature and humidity sensors on the Sense HAT to predict when there's a good chance of spotting a rainbow. When the right conditions are detected you will display a rainbow on the Sense HAT LED Matrix.

[Access this activity.](#)

What you will need

This project uses Python 3 and need a computer capable running [Trinket](#).

What you will learn

- Physical computing - sensors
- Boolean AND
- RGB Colors
- Sense HAT display

BONUS ACTIVITY

You're a 3D specialist now! It's time for you to move on and apply all the knowledge you've learned the past few weeks. This week you'll create a 3D project by your own.

1. Login in [Tinkercad](#)
2. Menu: Learn > Start learning 3D > Learn more 3D > Scroll down and click on "Show all 3D Projects"
3. Start "Build a Tinkercad House" project

Stay healthy and safe!