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**!

Let's go to space!

Space is the expanse that exists beyond the Earth and between celestial bodies. From a more schematic point of view, outer space is not completely empty—it is a hard vacuum containing a low density of particles, predominantly a plasma of hydrogen and helium, as well as electromagnetic radiation, magnetic fields, neutrinos, dust, and cosmic rays.

On **Saturday May 30th**, two NASA astronauts have been transported by SpaceX capsule to the ISS (International Space Station). A successful mission which marks the return of manned American transport to the ISS.

ACTIVITY – WHERE IS THE SPACE STATION?

Introduction

In this project you will use a Web service to find out the current location of the International Space Station (ISS) and plot its location on a map.

[Access this activity](#)

What you will need

For this project you will use Python 3 and the [Trinket](#) online editor software

What you will learn

- You're going to use a Web service that provides live information about space
- A Web service has an address (URL) just like a website does. Instead of returning HTML for a Web page, it returns data.

BONUS ACTIVITIES

The activities are aimed at students aged 8-14 but everyone can get involved!

- [Lost in space](#): You are going to learn how to program your own animation!
- [Take control of SpaceX!](#) You will help astronauts Bob Behnken and Doug Hurley to dock their SpaceX spacecraft at the International Space Station.

Have fun. Stay healthy and safe!