

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 – MODERN ART

Introduction

In this project you will create computer generated modern art. You will use functions to write code that you can use over and over again.



[Access this activity.](#)

What you will need

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

What you will learn

This project introduces functions through a colorful modern art generator. Functions are used to package useful turtle graphics code which can then easily be used to create funky art.



BONUS ACTIVITY

As a bonus this week, we want you to discover a **3D design software**: Tinkercad. It is a web application that allows you to design objects, electronic circuits and print objects in 3D if you have a 3D printer at home.

1. Register on the [tinkercad site](#)
2. Familiarize yourself with the application using the instructions [here](#)

Stay healthy and safe!