

STEM@CGI AT HOME

STEM-based activities for kids that can be done at home

Staying active. Learning together. #STEMatHome

“STEM@CGI at Home” offers weekly STEM-based activity packets for children, including practical STEM activities and competitions. Get your family involved, share pictures, learn and have fun!

Activity 1 – Create a Card – Any Card!



Create a Card - Any Card! - Part 1

Video – Part 1

Video – Part 2

Sending someone a card can really brighten their day. We are challenging you to “create a card – any card!” and send it to someone you know needs that right now. Your challenge is this –

- Think of someone you know who could use a card – create a card for them in any format you choose – and send it their way!
- If you opt to go digital, we recommend you check out the birthday card formats from **Scratch** and **Trinket** and then adjust those cards for the current situation.

Remember, the most important thing is showing you care!

What you will need.



Pen, crayons, colored pencils etc. and paper

OR

A PC/tablet capable of running Scratch 3 or Trinket.co

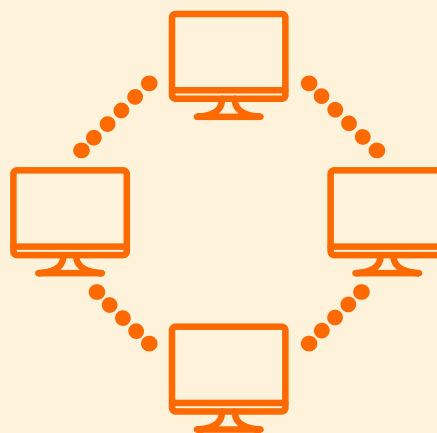
Activity 2 – It’s Virtual Game Night Time!

It’s important to connect with your friends! Even though you can’t see them in person doesn’t mean you can’t socialize as a group. There are some great video *communication* platforms out there. Consider using them to host a virtual game night.

Here are a few fun games, that with some small adaptations, can be played virtually:

- Charades
- Pictionary®
- loaded questions®
- MindTrap®
- SCATTERGORIES®
- Heads Up!®
- 20 Questions®
- Checkers
- Chess
- Battleship®

A few things to remember when you play a game virtually – keep the focus on having fun and realize you may have to adapt the rules format, etc.



Bonus activities

Animate A Name Tutorial

Follow this tutorial to learn how to animate your name using Scratch.

Beat the Goalie*

In this project you’ll learn how to create a two-player soccer game in which you have to score as many goals as you can in 30 seconds.

EPA Coloring Book

Learn how the EPA helps protect the environment and have fun coloring!

*Fun fact: The Raspberry Pi Foundation is based in the United Kingdom. Did you know that in the United Kingdom what we in the United States call “soccer” they call “football”?

**Watch for more STEM@CGI ideas next week.
Stay healthy and safe!**

For more information or additional support with STEM activities when working remotely, please contact us here.

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