CGI

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 – Be a video game consultant
Remix your game with feedback from stakeholders

Recommended ages –all

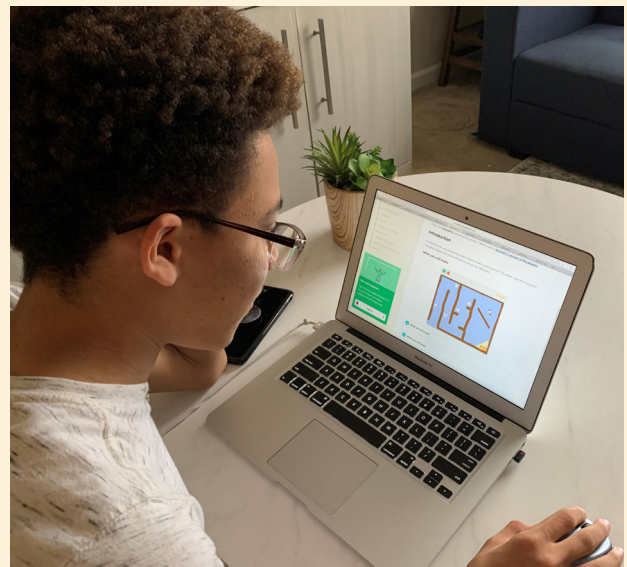**Step 1 –** select a **Scratch game** you'd like to evaluate

Step 2 – find three people to play the game (these are your stakeholders).

Step 3 – get feedback from them on what parts of the game they would like changed.

Step 4 – change the game to include their feedback.

Step 5 – let them play the game again!

Educational organizations – this activity could make a great competition idea for your students!
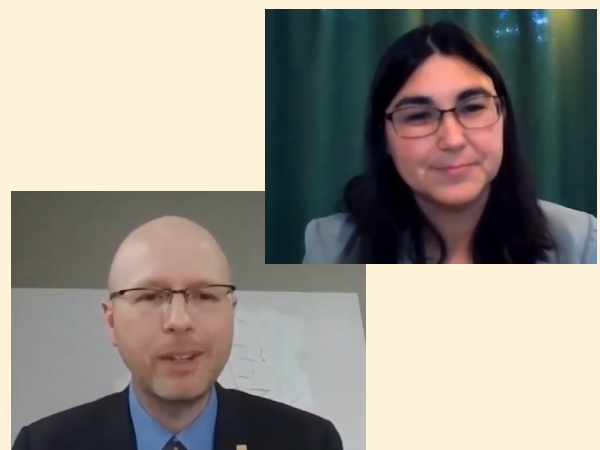

Video – The Art of Consulting

Recommended ages – 11 and up

What is the number one skill of a consultant?
According to CGI Vice President, Will LaBar – it is listening. So **listen** in as our STEM@CGI manager, Anne Swanson interviews him about being a consultant.

Practice your consulting skills - Next time someone comes to you with a problem, instead of giving them a solution right away, ask them questions about their problem. You can only identify the right solution once you identify the right problem!
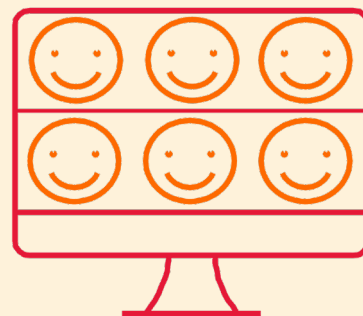
Activity 2 – Games to practice consulting skills

Listening may be the #1 skill of a consultant, but there are other tools, including –

- Problem solving
- Critical thinking
- Creativity
- Attention to detail
- Thinking on your feet
- Following instructions

These games can be played on a video conference or in person and help practice listening.

I Spy®– pick an item in the room or the background of another person on a call. The group asks 20 "yes" or "no" questions to try to figure out the answer.
Consulting skills – listening and attention to detail

Group story telling – going clockwise, have each person give one sentence to add to a group story.
Consulting skills – listening and creativity

Simon Says – the leader gives instructions but the group should only do the action if the leader says "Simon says".
Consulting skills – listening and following instructions

Last letter, first letter – going clockwise, have a person say a word and the next person has to start their word with last letter of the prior word.
Consulting skills – listening and thinking on your feet

Riddles – take turns sharing riddles with the group. Allow a set number of "yes" or "no" questions to help lead the group to the answer.
Consulting skills – listening, problem solving and critical thinking

Bonus activities

Computer Memory Game
Continue learning consulting skills by practicing attention to detail in this computer memory game from Hello Ruby. Plus, learn more about the parts of a computer!

CS Unplugged at Home
Check out the great things our friends at CS Unplugged are doing during this time.

Human-Computer Interaction
User experience is one of many areas CGI provides consulting. Learn a little more about that through the CS Field Guide.

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

For more information or additional support with STEM activities when working remotely, please contact us here.
© 2020 CGI Inc.