

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 – DESIGN YOUR OWN ECO-SCHOOL

This week’s topic focuses on the environment, looking at the key issues facing our planet and ways in which we can help to secure a sustainable future for the next generations. Some of the most significant environmental issues that we face today include pollution, climate change and natural resources running low. We need **YOU** to help educate people on the steps they can take to help save the environment, design practical solutions and become experts in your local environments.

Students –This activity is to design your own Eco School. As the experts who attend schools on a daily basis, we want you to help design the eco-friendly (environmentally friendly) schools of the future.

Are there any existing products/facilities that you would include? Will you create technology of your own? You need to think about which designs will be most effective, and offer the biggest benefit to the environment.

You should consider the following factors when designing your school:

- Which energy source will your school use?
- Is your school sustainable (can it rely on itself to function)?
- Which existing or new technologies will you implement?
- How will you dispose of used materials and waste?
- Where will you source your supplies and food?
- How will students and teachers help to ensure that the school is sustainable?



You can create your school using any method you wish. This could be a drawing, model, video or PowerPoint. Design the whole school if you can! Including classrooms, sports facilities, canteen and more!

BONUS ACTIVITIES

Reminder that third party software should not be downloaded on CGI devices.

- [Water Use Chart](#) – Compare the amount of water used in various activities
- [Polar Ice Cap Activity](#) – Learn how melting polar ice caps impact the oceans
- [Listen UP!](#) – Activities from the Environmental Protection Agency (EPA) about preventing noise pollution and protecting your ears.

FUTURE LESSONS

Parents - Over the next few weeks, we'll continue to release more activities your kids will find entertaining and educational.

To help you prepare for some of them, you may want to consider adding these supplies:

- Goldfish crackers
- M&Ms
- Straws or popsicles sticks

And save boxes, cardboard, toilet paper, paper towel rolls, etc. They're great for craft activities.

Stay healthy and safe!