

ALEXANDRA PALACE
PRESENTS

BIG

SCHOOLS

GREEN SCREEN CHAMPIONS



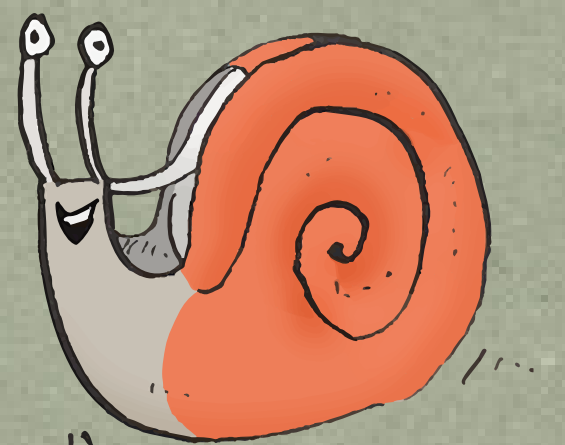
Re-Visioning Television

Design a building that will help you keep cool without using a lot of energy and producing waste.

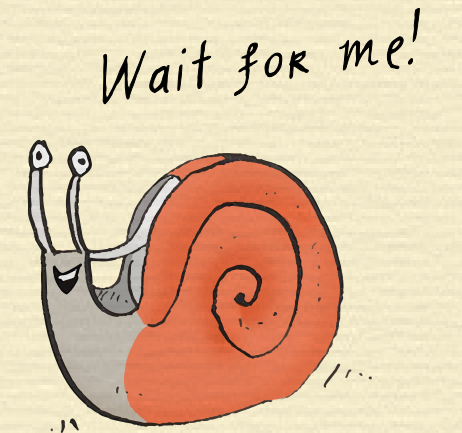
Discovery EDUCATION | STEM CONNECT



Building a cool building!



WELCOME TO BIG SCHOOLS



What is the BIG SCHOOLS PROGRAMME

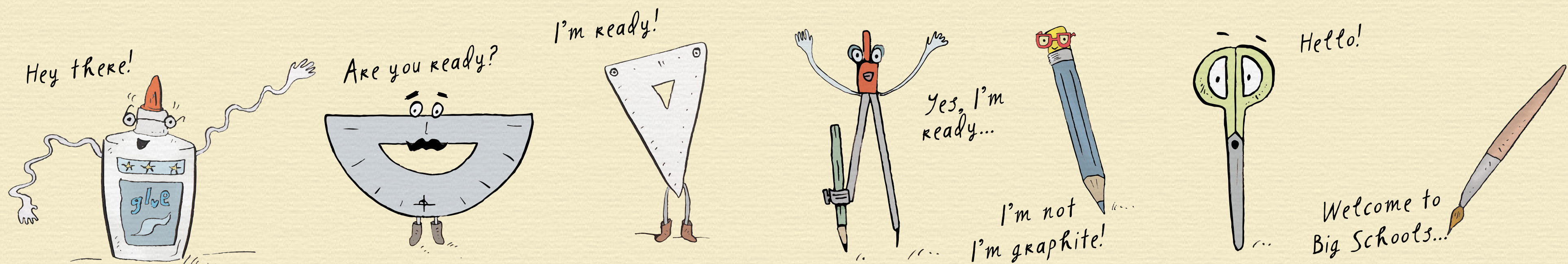
This learning program is designed to equip children and young people with the knowledge and skills needed to help them bridge key educational transitions in their lives - whether they are in primary education getting ready to transition into big school, heading off to college or university or a school leaver entering the big school of life.

Who are the GREEN SCREEN CHAMPIONS?

Over the next ten days, Alexandra Palace brings children and young people together with our Green Screen Champions - leading industry professionals who are raising people's environmental consciousness in the film, media and gaming sector. The programme creates a space for young thinkers with a deep investment in their future to explore the environmental challenges facing them, and reboot society - paving the way for a greener future!

Written by Chris Nash ...who is he?

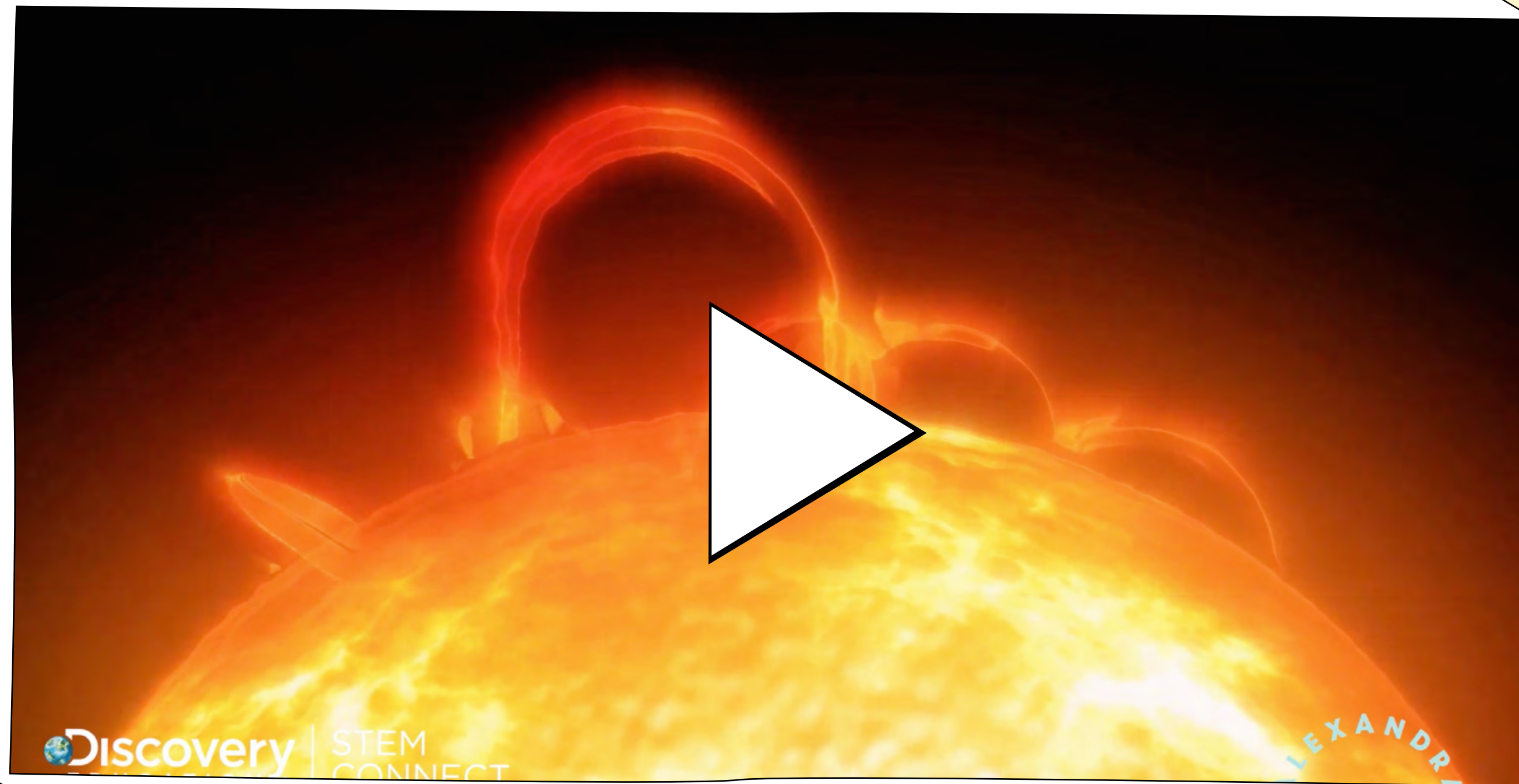
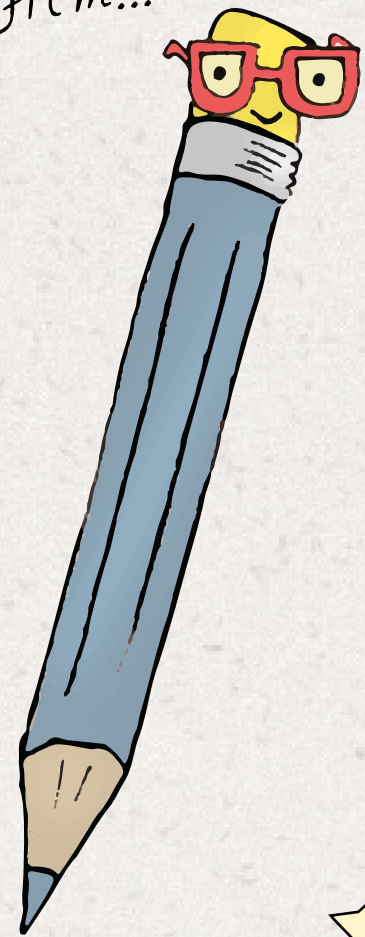
As head of Community at Discovery Education UK, Chris Nash has been involved in education for over 30 years as a classroom practitioner, local authority advisor and education consultant. He has lectured at Roehampton, Brunel and Kingston Universities. Chris has spent much of the last 20 years pioneering teaching and learning through the use of technology, has a passion for innovating and understands how technology can have a profound impact on the way we teach, learn, work and live our lives.



This session has been designed for groups to work in teams in the classroom but can be completed at home.

FOR INSPIRATION LET'S WATCH THIS FILM

Press the play button to start the film...



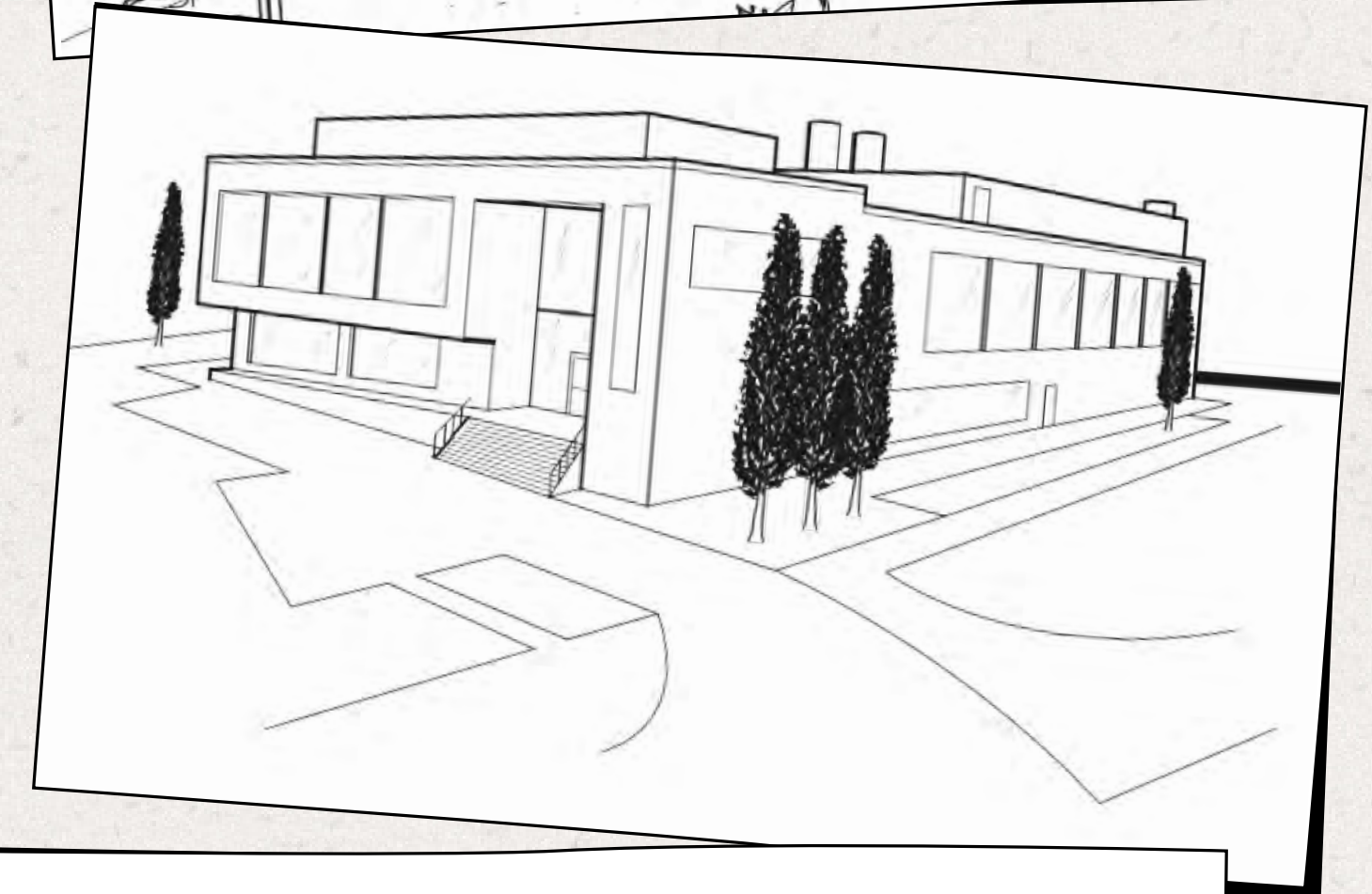
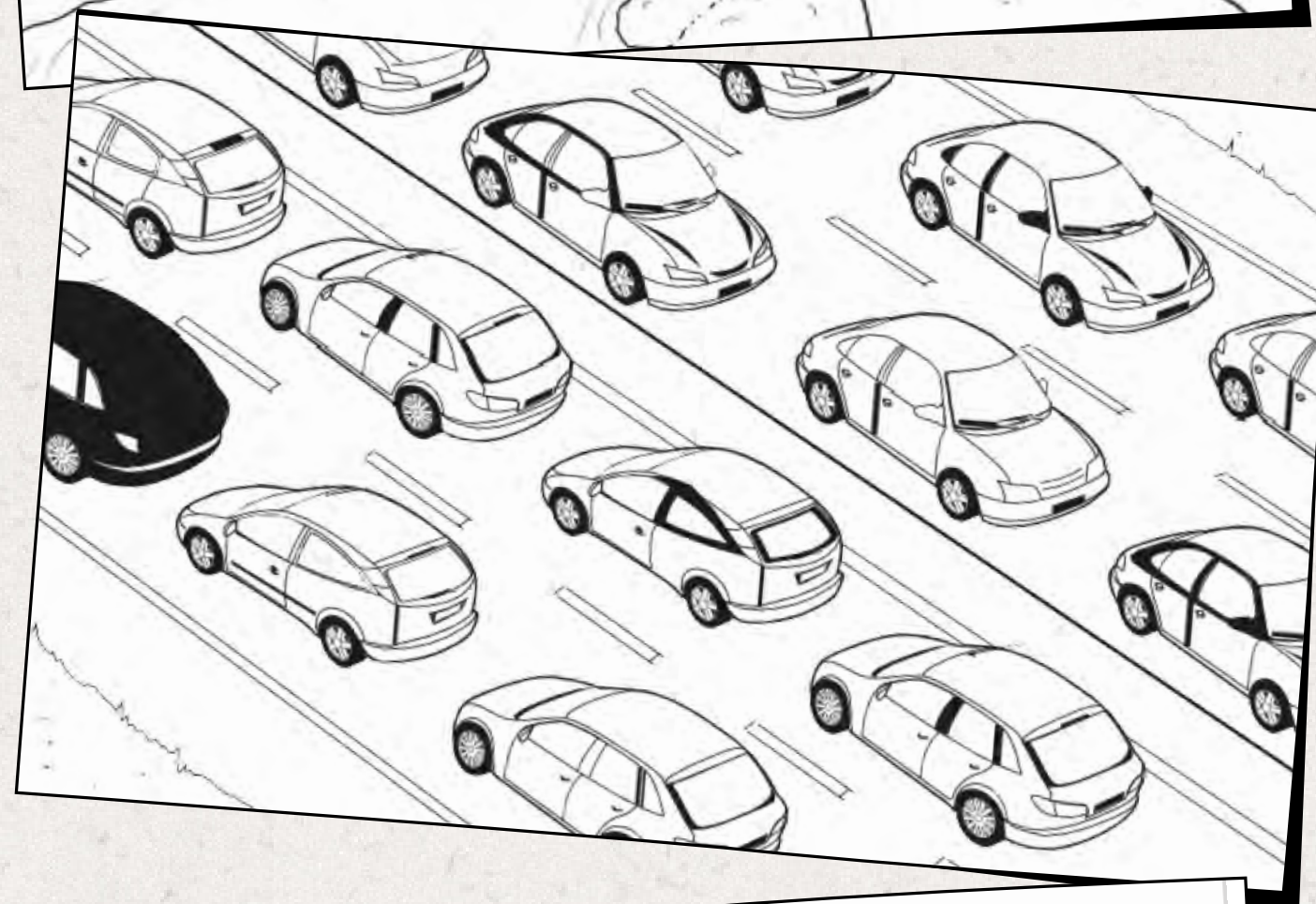
If you have watched the film then move on to the next section.



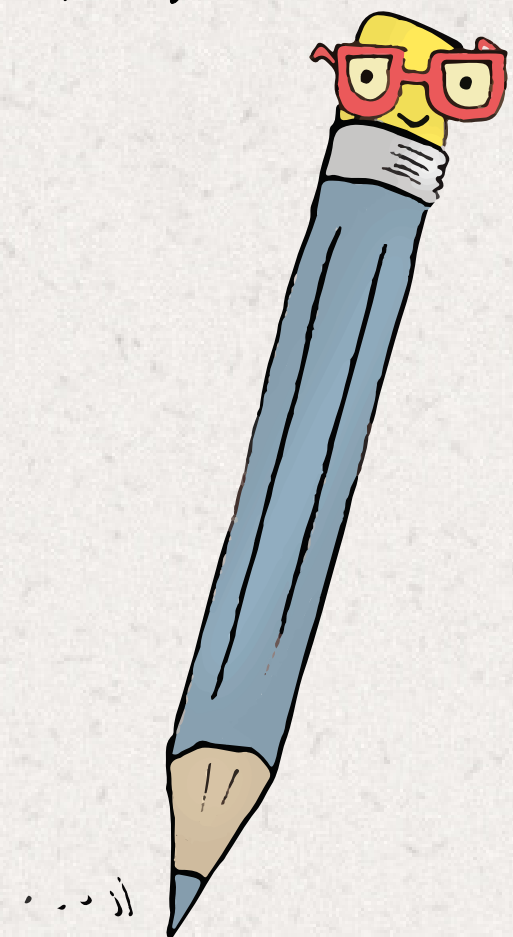
Making a cool building.

Your mission is to design a building that will keep people cool in hot weather, without using a lot of energy.

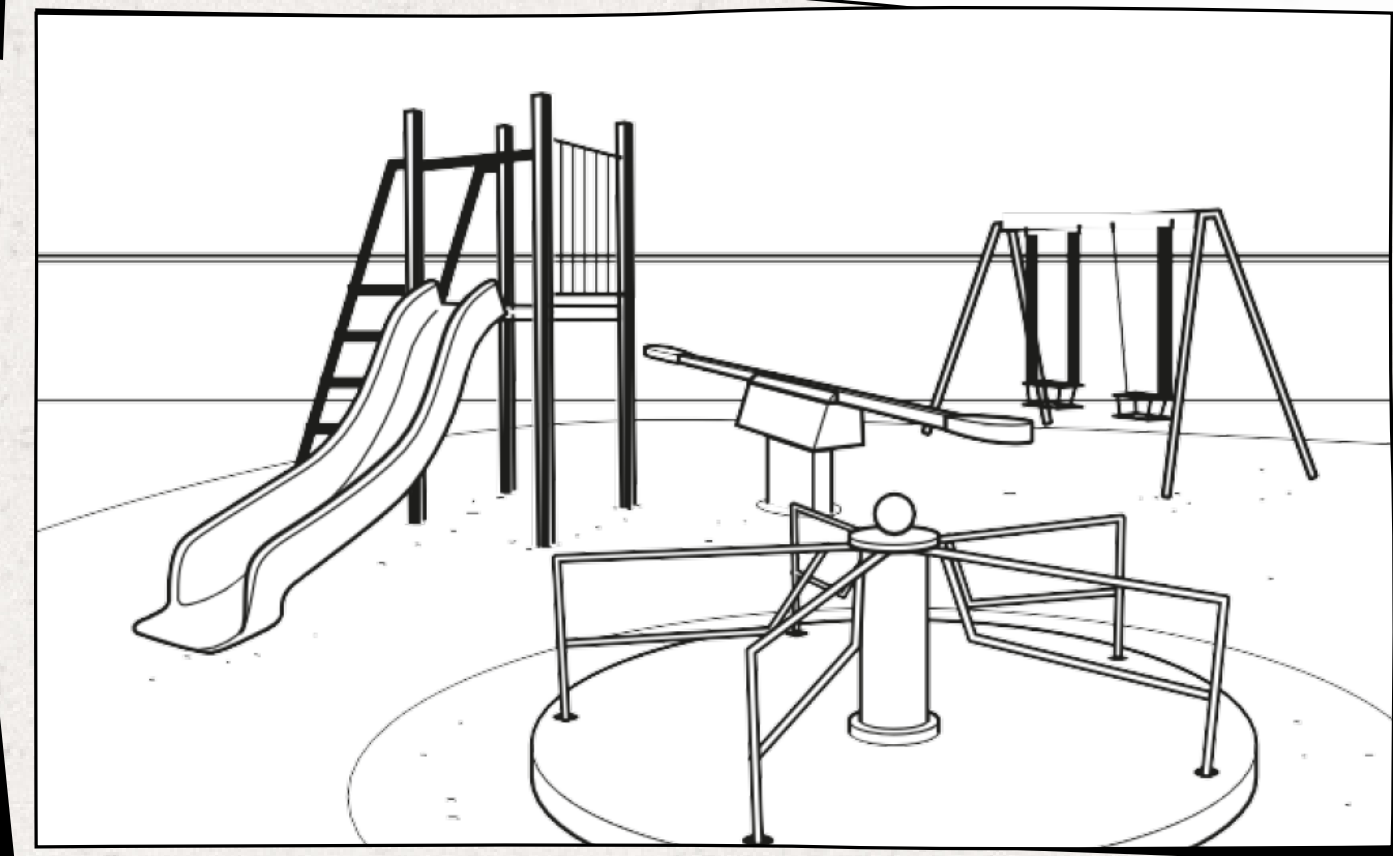
Which of these places do you think would be cooler in really hot weather?



Add your thoughts here!



Notes:



Why do you think that?



Which materials are the coolest?

Do different materials absorb different amounts of heat from the Sun?

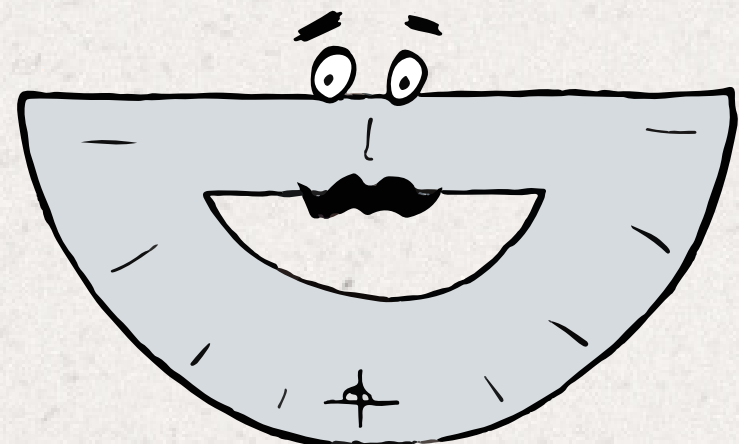
To find the answer you need to test different materials in the same conditions each time.

You will need:

- Light and dark coloured material
- A metal spoon or fork
- A piece of wood
- Light and dark coloured plastic

The Method...

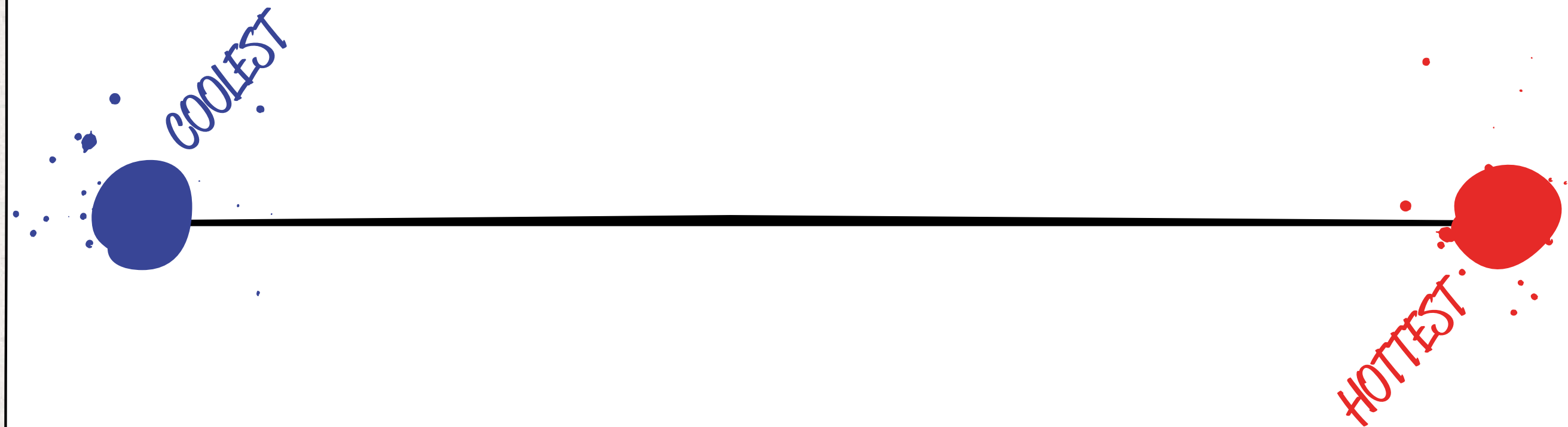
1. Put all the materials on a sunny windowsill.
2. Leave them for half an hour in the sun.
3. Feel each material and enter your findings on the scale opposite.



think about ways to make your test fair.?

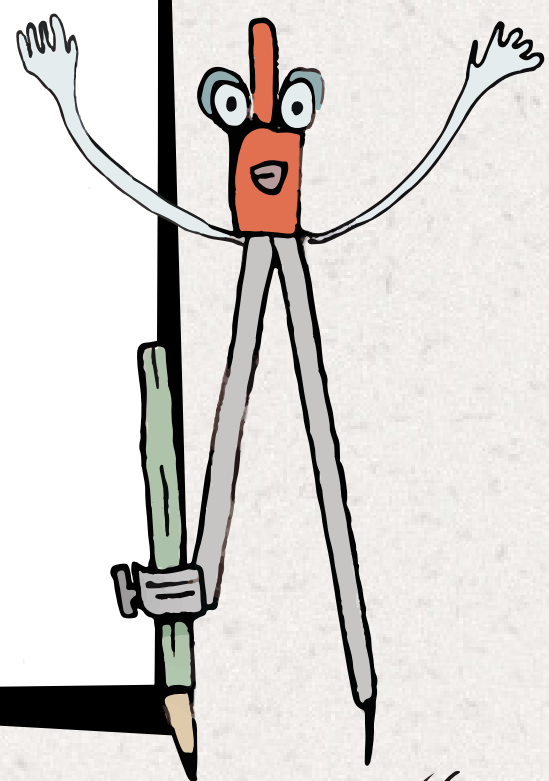
Our Findings:

Write the types of the materials on the scale below to show how hot they are.



Our Conclusions:

Well done! YOU are the coolest!



Your Building plan!

Team Name: _____

What is the challenge: _____

List the special features of your building:

1 _____

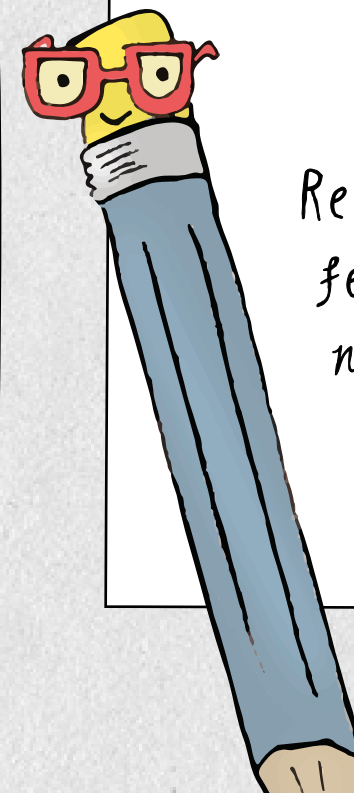
2 _____

3 _____

4 _____

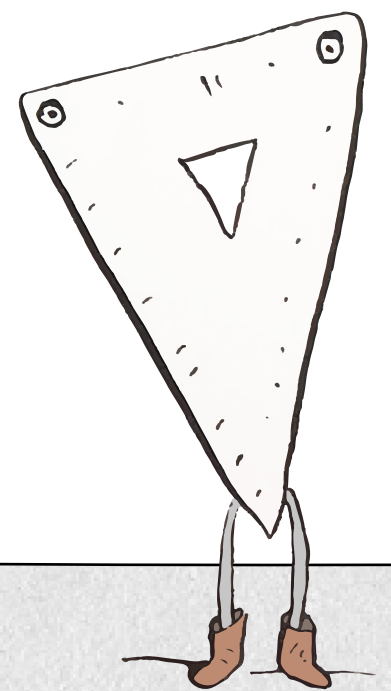
5 _____

Draw a sketch of your building here. Add labels to show the features.



Remember; these features should not use lots of electricity!

How will you solve the challenge?



Let's Build it...

If you have time and feel like getting practical, your next step is to make a model of your building to show how it will work.

Checklist...

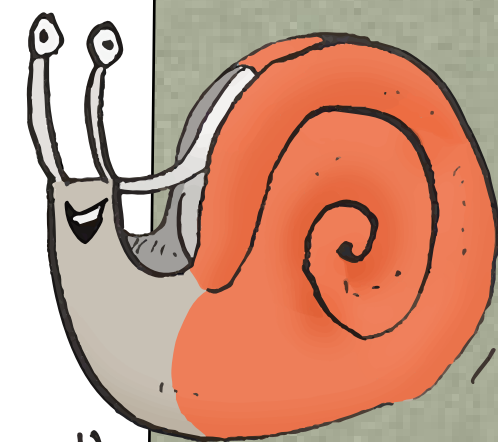
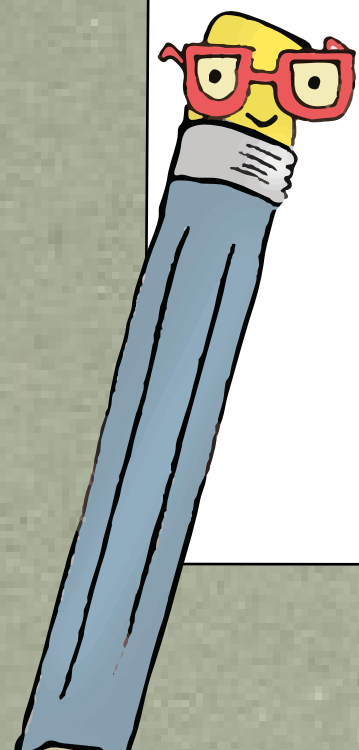
The following materials could be useful:

- Cardboard and card
 - Lollipop sticks
- Small blocks of wood
- Foam or polystyrene
- Old plastic containers
 - Glue
 - Paints

Lets Go!

Don't forget sticky tape!

Gather everything you need to make your model before you start.



Don't worry if you can't show everything you want to with your model. Add labels to describe any features that you can't show.

Here are a few tips to help:

Remember the roles in your team.
Who is going to do what?

Make sure you have your building plan to remind you of the features that need to be included.

What materials can you use to build each feature?

Painting your model in the right colours will make it more realistic.

Use a large piece of cardboard as a base to build your model.

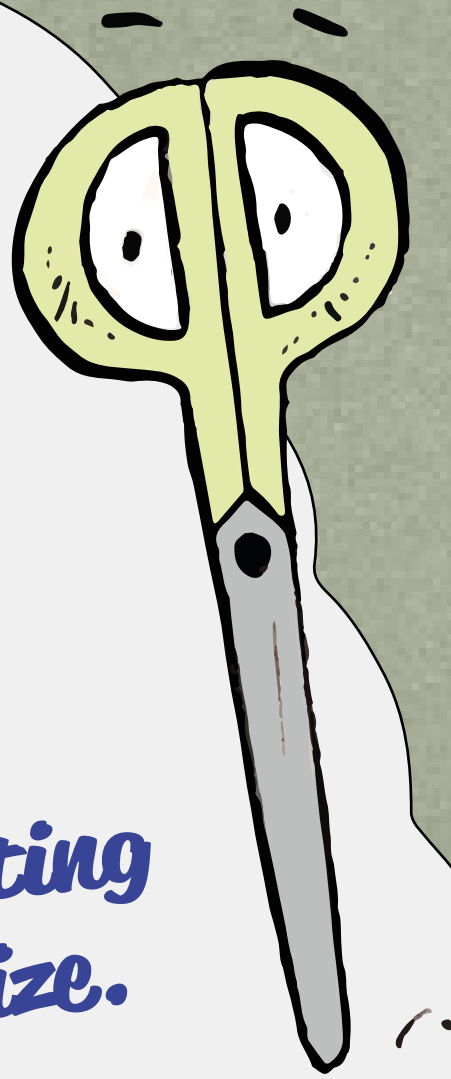
Take extra care when cutting materials to the right size.
Ask an adult to help.

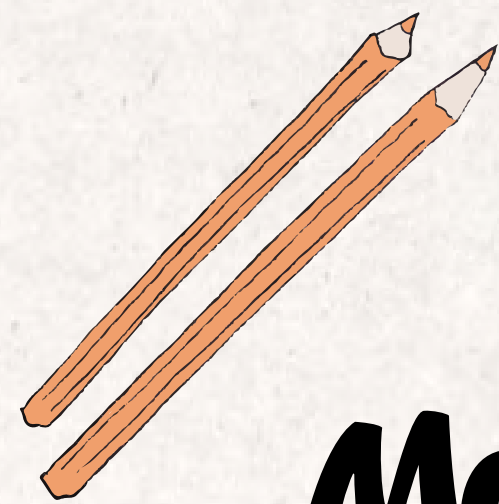
If you hit a problem get the team together and discuss how to deal with it.

OK, I'm ready



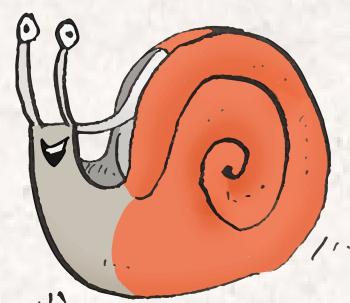
Be Careful when cutting.





Little Things Make A Big Difference!

YES!



Check out our other Green Screen Champions with ten days of films, webinars, blogs, competitions and masterclasses. Let's show children and young people the power they have to positively influence the world around them, and that little things they do can make a **BIG** difference!



Animation

Learn about the art of animation from BAFTA award-winning animation studio, the Cartoon Network and Lily Sakula. Design your own Personal Protective Equipment with Jack the Artist drawing inspiration from science fiction, imagery and Japanese Anime.



Built Environments

Discover how materials are made and the way in which this contributes to global warming with award winning architects Feilden Clegg Bradley Studios and perspective drawing with Jack the Artist.

See you next time!



Gaming

Join Digital Schoolhouse and BAFTA Kids to create your own sustainable video game packaging. Design transport systems of the future with Jack the Artist using inspiration from gaming imagery to reduce carbon emissions.



Become a Campaigner

Join BAFTA Kids and Hope for The Future for a conversation encouraging children and young people to take actions that can help save the planet. Hear from the team at Albert, a project that brings together the film and television industry to reduce their environmental impact, and inspire audiences to act for a sustainable future.

Visit our website for more
alexandrapalace.com/bigschools