

Designing the Future **Sustainable** Home



International Schools Project

For School Children (Age Group 9 to 12 years old)

BRIEFING NOTE for SCHOOL TEACHERS (2 pages)

AIM: For school pupils in Age Group (9-10 years) and/or (11-12 years) to
Design The Future Sustainable Home

Submission: Online submission via templates that will be provided. **Any school from any country can take part.**

Completion by: Wed 31st March 2021

Anticipated time period to carry out project: Approx 10-12 weeks

(Projects could start anytime up to January 2021)

Project Supporters: The project is supported and organised by industry body **Homes for Scotland** and the **University of Edinburgh, School of Engineering**.

About the Project

The project provides the opportunity for pupils aged 9 to 12 years old to role play and Design The Future Sustainable Home. It is suggested that pupils will form teams of 6-8 pupils working together to deliver the project. Consideration of sustainability, design, materials, climate change and what might be the technologies of the future would be brought together in the design project. The creative and imaginary future thinking by the school children is encouraged to consider what might be the home of the future, perhaps in the year 2040, but any future period can be considered.

CREATIVE – BRAVE – IMAGINARY

Project Submissions

In considering the covid climate we all are living with all submissions are online via e-posters. A full template will be provided and the posters utilise standard softwares such as Microsoft Word and for placing images, sketches, photos and drawings of the designed building. This will help as pupils prepare their work for this to be copied and pasted into the poster for submission.

Starting the Project - About the Short Videos

https://www.youtube.com/watch?v=ZbhnJmssA_o&feature=youtu.be

To support the teachers and class pupils four short videos have been prepared, (each lasting between 8 mins to 20 mins). These are also all linked together into a singular video via the

Youtube video download (link above), times have been shown below for each Part (A to D) to help you navigate or watch again specific sections. **Note the project briefing video for Scotland's schools is the same for any country submitting.**

Part A - About Housebuilding and Careers/Jobs/Roles in the sector (Start 0 mins – 20 mins)

Part B – Setting the Scene – considering climate change, sustainability and how we use technologies now in our homes (21mins to 31mins 30secs)

Part C – Considering The Future Home – ideas around designing your home, whether a house or a flat, whether for city/urban or rural areas. (32mins to 40mins)

Part D - The Project and Submission – this covers working as Team, considering the role pupils would like to be within their design team (40 mins:20 secs to 51mins 31 secs)

What can you submit? Project submissions would involve

- 1) **MAIN Project Poster (POSTER 1)** describing how the home has been designed, what materials, green energy and technologies have been considered and sustainability factors - this may include drawings / sketches / plan layouts of the home

AND

- 2) **DESIGN Poster 2** with:
 - a. **Photos / images of a model** if the pupil team have decided to build a model of their future home (any materials can be used for the model), **OR**
 - b. **Electronic sketches of the building**, perhaps using Sketch-up or other similar free software, **OR**
 - c. **3D designed home**, perhaps using Minecraft or other 3D visualisation software. Images can be captured of the 3D design using “snip-it” and then copied into Poster 2.

Online Exhibition

Each school selects to put forward for submission one project for Age Group (9-10 years) and one for Age Group (11-12 years) in their school (or combined if a small school). This is done online – further details to follow. It is then planned to hold an **online exhibition of school projects in May 2021.**

Further Online Video Support

To help the teacher and pupils work through **the different stages of the design of their future home** – a further 4 to 5 short videos will be uploaded which can be watched online from the end of November 2020. This gives time for teachers and pupils to plan ahead.

We wish all the pupils and teachers the very best in designing their future homes and we look forward to seeing the submitted home designs on our future Online Exhibition.

Nicola Barclay, Chief Executive, Homes for Scotland

Professor Sean Smith, Chair of Future Construction, University of Edinburgh