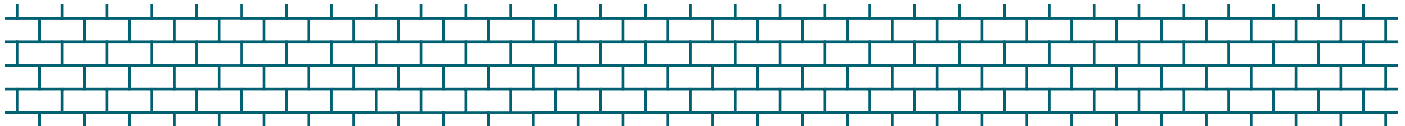


The Building Challenge

for lower secondary

Name: _____



Find out how to design and create buildings that are practical, attractive and safe. Learn how buildings have changed over the years and use what you've learned to design your own building.

Start on Level 1 - the Grand Gallery

This building opened in 1866 when this hall was only partly finished.

Stand in the middle of the floor. Look around you. Remember to look up too!

Name three different materials used in this part of the building.

1 _____

2 _____

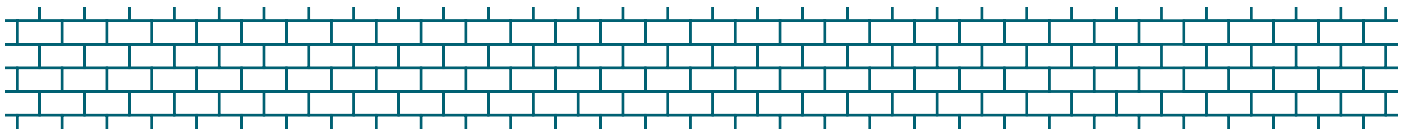
3 _____

Sketch two parts of the buildings where you can see different shapes



This building re-opened in 2011 after a redevelopment. What do think might have changed from when it first opened?

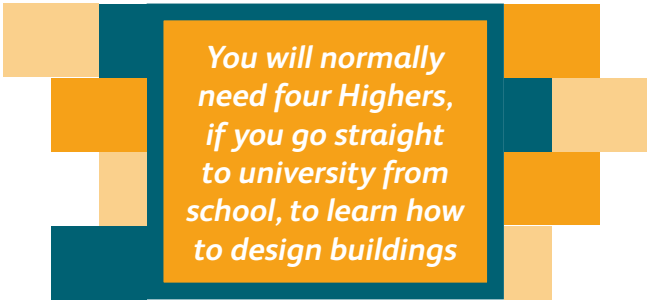




Go to Hawthornden Court

This part of the museum was opened in 1998 and has a very different design.

Can you name three ways that this design is different to the Grand Gallery?



1

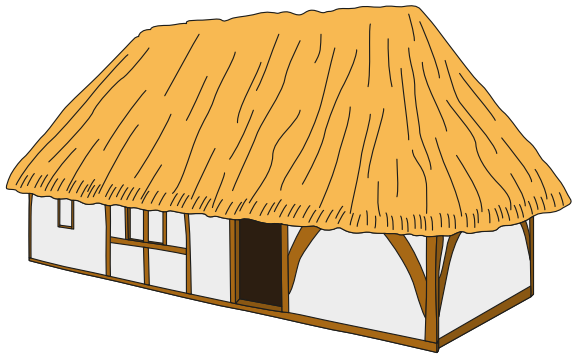
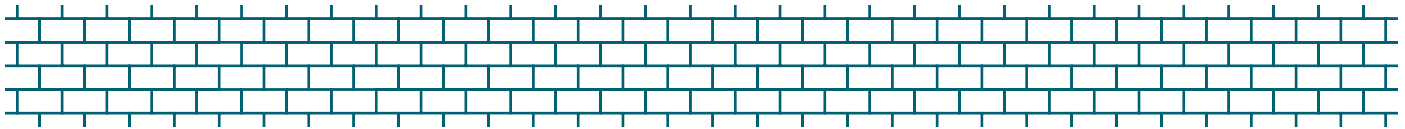
2

3

Find the section in Hawthornden Court that looks like an oil rig or a ship.

Sketch either one.





Go to Level 3 – Scotland Transformed

Find the Cruck House.

Name three materials it is made of.

- 1 _____
- 2 _____
- 3 _____

How was it heated?

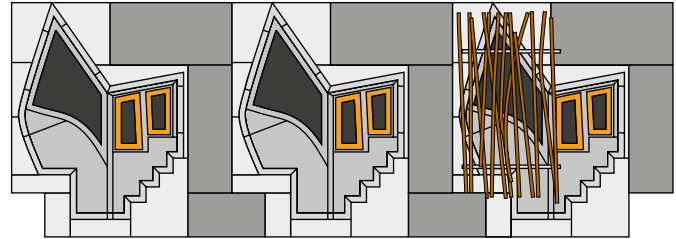
When was it built?

Name four ways this is different to your house?

- 1 _____
- 2 _____
- 3 _____
- 4 _____

Go to Level 6 – Scotland: A Changing Nation

Find the original wooden model of a very important political building in Scotland.



Name the building.

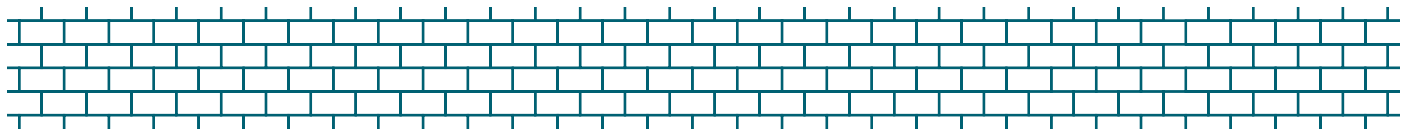
Who designed this building?

Why would it be useful to make a model like this?

When was it completed? Is it older or newer than your school building?

To work in the construction and building industry you will need to have skills in communicating with people, solving problems, planning and budgeting





Design challenge:

Think about what you have discovered.
Design your own building - it could be a house,
museum, or school.

*You may require a
portfolio of design
work from school to
apply to college or
university*



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