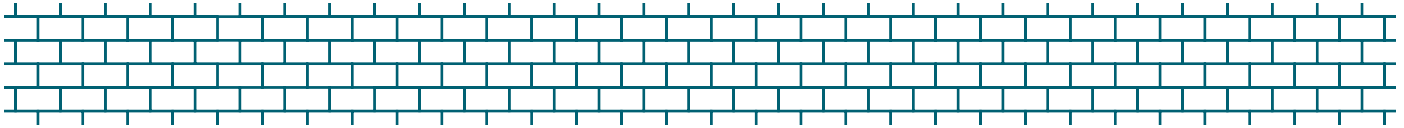




# The Building Challenge

for upper primary

Name: \_\_\_\_\_



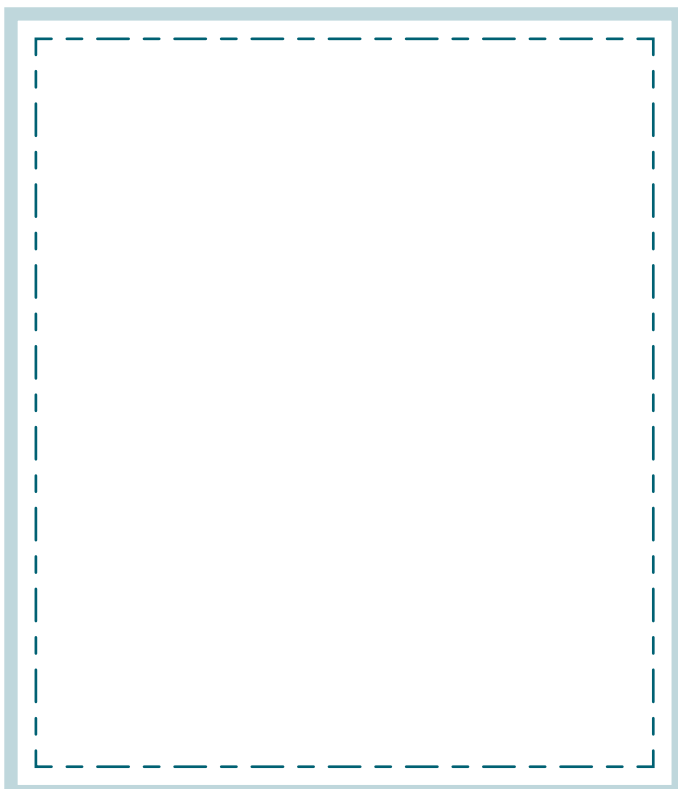
Find out how to design and create buildings that are practical, attractive and safe. Learn how buildings have changed over the years and use what you've learned to design your own building.

## 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!**

What different shapes can you see in the building?  
Draw 3 of them.



What materials can you see?

\_\_\_\_\_

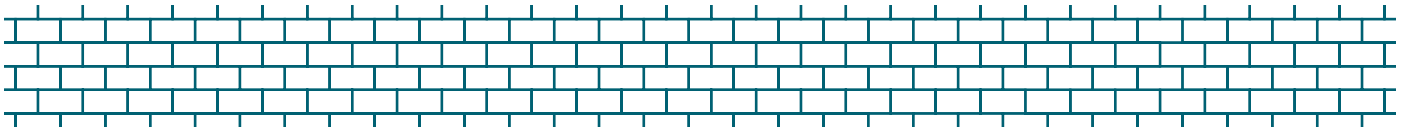
How many different floors can you see?

\_\_\_\_\_

How do people get to the different floors?

\_\_\_\_\_





## Go to Hawthornden Court

This part of the museum was opened in 1998 and its design is very different.

Draw three shapes that you can see in this part of the building.



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

Which of the buildings do you like best? Why?

1 \_\_\_\_\_

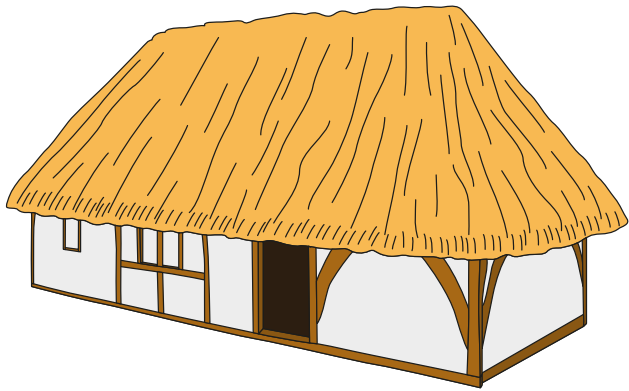
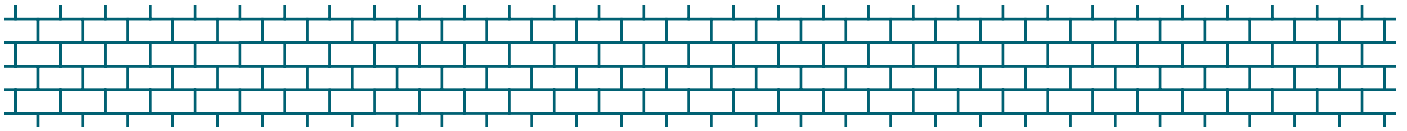
2 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_





### Go to Level 3 – Scotland Transformed

#### Find the Cruck House.

Name the 3 materials it is made of.

- 1 \_\_\_\_\_
- 2 \_\_\_\_\_
- 3 \_\_\_\_\_

How was it heated?

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When was it built?

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How is it different to the house you live in?

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### Go to Level 6 – Scotland: A Changing Nation

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



Name the building.

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Who designed this building?

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

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

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*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 found out.  
Design your own building - it could be a house,  
museum, or school.

*To work in construction  
and the design of  
buildings you will need  
to study Maths, English,  
Science and Art*

## So now you know about: **Architecture**

People who design new buildings are called  
architects.

Find out more about Architecture and other jobs  
at [www.myworldofwork.co.uk](http://www.myworldofwork.co.uk). Find out what  
subjects you might need to study at school, what  
skills you need, how many jobs there may be in  
the future and lots more.

