

# Learning Overview – Key Stage 2 Years 5 & 6 Owls

## Spring Term 2017 – Grand Designs

### History

- Look at the impact the Roman Empire had on Britain and explore what life may have been like in Britain prior to the Romans.
- Find out about Roman structures like Hadrian's Wall and other structures created and its impact locally i.e. Exeter's Roman city wall

### Geography

- Investigate types of settlement in Britain and how these have impacted on Britain's human geography.
- Explore how these settlements have changed and developed over time.

### Religious Education

- Explore Buddhists beliefs about life and death and comparing these with another religion and other beliefs.
- Create an interactive timeline of life to portray beliefs about key moments in life.

### Maths

- Use standard writing method for multiplication and division.
- Solve words problems that involve all four calculations.
- Convert and compare fractions, decimals and percentages
- Use a protractor to calculate angles
- Compare and classify geometric shapes based on their properties and sizes
- Find unknown angles in any triangles, quadrilaterals, and regular polygons which are not drawn to scale

### Literacy

- Write a report about a high tech structure designed for a purpose.
- Explore a range of punctuation including semicolons and colons.
- Design a building and write a story including the building as the main setting.
- There will be a high expectation on handwriting and spelling this term.
- Read our class detective book by Tanya Landman and use clues to help us narrow down the suspect list.

### Community & Citizenship

- Work together to solve challenges as part of a team
- Celebrating people's differences

### Creative & Critical Thinking

- If you had to move home, what would you take with you?
- How might it feel to have no choice about moving house?

### Personal Development

- Explore tolerance and open mindedness through reading books that promote equality
- Children will take part in sex and relationships education this term.

### Digital Application

- Use photos taken around Beaford to inspire sketching of details and to create the textures
- Create a digital presentation to share with the school following a team competition about structure

### Science

- Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit
- Use recognised symbols when representing a simple circuit in a diagram.
- Systematically identify the effect of changing one component at a time in a circuit
- Use the knowledge of circuits to create a burglar alarm to protect a famous building.

### Language

- Learn how to ask for tickets to famous attractions and buildings in Paris.
- Use the French Tourist Information Centre in the classroom to role play buying and selling tickets
- Make a pop up travel guide book to Paris

### Final Outcomes

- Build a small scale structure using an architect or building as inspiration in the design.
- Create a burglar alarm to protect their building from being broken into.
- Make an interactive timeline of life to portray beliefs about key moments in life.
- Design and creating a pop up travel guide book to Paris.
- Create a presentation to share with people about the re-opening of an older building and choosing a musical theme to match the era.  
The children will discuss and take ownership over how to present other final outcomes as their learning progresses through the term.

### Computing

- Explore e-safety and using technology safely, respectfully and responsibly
- Use apps to design buildings, model buildings given dimensions and make improvements following a brief.
- Create floor plans using apps such as Sketch-up and 3D house Design.

### Art & Design

- Focus on creating sketch books to record observations, practise and revisit ideas.
- Learn about and comparing architects
- Draw using one point and two point perspective

### Physical Education

- Hockey, rugby and basketball.

### Drama & Dance

- Explore dancing to suit different musical eras and using this in our presentations to invite people to the re-opening of a historical building.

### Music

- Learn about different eras of music and comparing these to architectural eras
- Create a presentation to share with people about the re-opening of an older building and choosing a musical theme to match this era.

### Design & Technology

- Understand how key events and individuals in design and technology have helped shape the architectural world
- Apply understanding of how to strengthen, stiffen and reinforce more complex structures.
- Build a small scale structure using an architect or building as inspiration in their design.