

YEAR 5 DESIGN & TECHNOLOGY

LEARNING JOURNEY

SUMMER

Mechanical Systems: Pop-up Book

- Produce a suitable plan for each page of their book.
- Produce the structure of the book.
- Assemble the components necessary for all their structures/mechanisms.
- Hide the mechanical elements with more layers using spacers where needed.
- Use a range of mechanisms and structures to illustrate their story and make it interactive for the users.
- Use appropriate materials and captions to illustrate the story.



SPRING

Structures:: Bridges

- Identify stronger and weaker shapes.
- Recognise that supporting shapes can help increase the strength of a bridge, allowing it to hold more weight.
- Identify beam, arch and truss bridges and describe their differences.
- Use triangles to create simple truss bridges that support a load (weight).
- Cut beams to the correct size, using a cutting mat.
- Smooth down any rough cut edges with sandpaper.
- Follow each stage of the truss bridge creation as instructed by their teacher.
- Complete a bridge, with varying ranges of accuracy and finish, supported by the teacher.
- Identify some areas for improvement, reinforcing their bridges as necessary.



AUTUMN

Cooking and nutrition: Developing a recipe

- Understanding how ingredients are reared and processed.
- Make adaptations to design a recipe..
- To evaluate nutritional content.
- To practice food preparation skills.
- To design a product label.
- To follow and make an adapted recipe.
- Describe the process of beef production.
- Research a traditional recipe and make changes to it.
- Add nutritional value to a recipe by selecting ingredients.
- Prepare and cook a version of bolognese sauce.

