



Year 4 Knowledge Organiser: Autumn 1 - DT - Musical instruments.

Overview-

In this unit we will explore and identify different musical instruments. To design our own musical instruments, we will sketch and label our designs. Our final design will be made from recycled materials and will be a working model that can produce sounds with different/various pitches.

Sequence of learning

- 1) To evaluate existing musical instruments.
- 2) To design a musical instrument using design criteria.
- 3) To construct a prototype.
- 4) To evaluate my design.

What careers go with this topic?

- Engineers
- Artist
- Teachers
- Sculptors

I will know how to:

- Cut and glue different materials effectively.
- Construct materials to make a sound.
- Draw shapes and figures.
- Colour shapes and figures.

Next I will learn:

- Researching different materials.
- Environment and user-friendly materials.
- Write a design specification.

Enquiry question:

What is a prototype?

Key vocabulary:

- **Design** - A plan or specification for the implementation of a process.
- **Make** - To construct a model or prototype based on the specification.
- **Label** - To identify the components of the design idea.
- **Tools** - A device or implement used to carry out a particular function.
- **Health and Safety** - Rules that prevent accidents while working.

Pictures:



