

### Mechanically systems - levers and linkages

#### **Technical knowledge:**

To know the parts of a linkage mechanical system, including levers, loose pivots and fixed pivots.

To know a linkage mechanism has input motion and output motions.

#### **Design:**

To know how to create a mechanism to show an Arctic or Antarctic animal moving out of the sea.

#### **Make**

To know how to make a linkage mechanism made by connecting together levers around a pivot to produce the type of movement required.

#### **Evaluate**

To know what has worked well and what could be improved.

### Literacy

- Newspaper report- Titanic
- Balanced argument- Titanic

#### Lenses-

- Powerful verbs
- Powerful adjectives
- Similes
- Rhetorical questions
- Repetition
- Punctuation basics

This terms topic is  
**ICE!**

**Computing**-Media - photo editing

**French**- My house

**RE**- Islam

**PE**- Cricket and Outdoor Adventure Activities

**PSHE**- Being My BEST

### Maths

- To practise and use multiplication tables (up to 12 x 12).
- Decimals
- Money
- Time

A separate maths knowledge organiser will be sent for each area.

### Science-Living things and their habitats

- To know how to group living things in a range of ways like Carroll and Venn diagrams.
- To know some producers, consumers and decomposers.
- To know how to construct and interpret food chains and webs.
- To know how to identify characteristics of living things using a key and create a classification key.
- To know the environmental dangers to endangered species.