

Survival - Design Technology

Year 6
Autumn 2

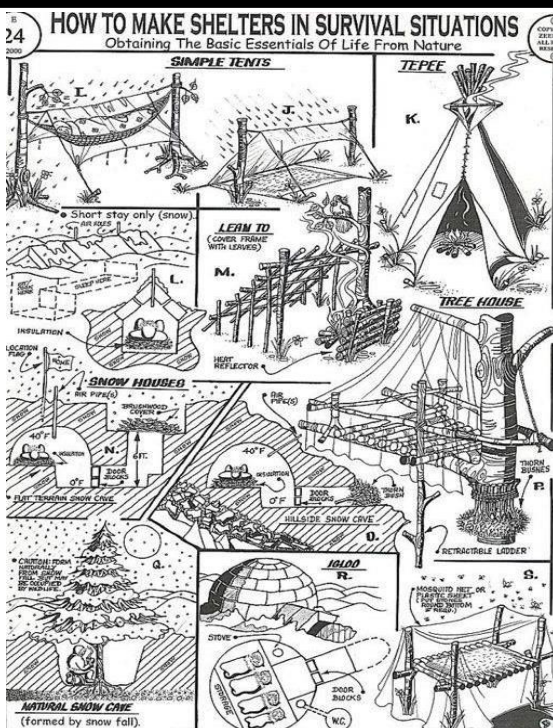
Overview

In this topic, the children learn all about what it takes to survive extremes of weather and climate. They need to follow a design brief of building appropriate shelters for given weather conditions, taking into account different materials and shelter designs already out there. Children will make these models as part of our 'I'm a Year 6, Get Me Out Of Here' theme day.

Key knowledge - D.T.

- Follow a design brief, which is to create a weatherproof shelter that is strong and spacious enough for 4 people and generate ideas that meet several success criteria.
- Research existing survival shelter designs and explain why these are suited to meet the needs of different conditions.
- Plan several initial sketch designs and evaluate their effectiveness using the design brief.
- Make a small-scale model using sticks + oasis of what your chosen survival shelter will look like.
- Make reasoned choices about which materials, tools and location you will choose in order to make a weatherproof shelter, which is big enough for 4 people as listed in design brief.
- Test your product and evaluate its effectiveness based on the design brief and success criteria set.

Tools or materials you may use in this topic:



Key Vocabulary

| Word | Definition |
|--------------|--|
| Oasis | Foam-like material used for flower arranging. |
| Implement | Putting something into action or carrying out something. |
| Sawhorse | A wooden or metal stand for sawing wood or logs. |
| Lean-to | A style of shelter where one side leans on an object or roof pole to leave space underneath. |
| Tarpaulin | A waterproof plastic or nylon sheet used to cover things. |
| Design brief | Criteria that must be fulfilled in your designs. |
| Evaluate | The process of deciding what went well and what can be improved. |
| A-Frame | Style of shelter that looks like a triangular prism. |
| Tripod | A frame of 3 supporting legs. |