

End Points

Year 2 – Strengthening Baby Bear’s Chair



What I know and can explain

- To know that shapes and structures with wide, flat bases or legs are the most stable.
- To understand that the shape of a structure affects its strength.
- To know that materials can be manipulated to improve strength and stiffness.
- To know that a ‘stable’ structure is one which is firmly fixed and unlikely to change or move.
- To know that a ‘strong’ structure is one which does not break easily.
- To know that a ‘stiff’ structure or material is one which does not bend easily
- To know that natural structures are those found in nature.
- To know that man-made structures are those made by people.
- Learning about different types of structures, found in the natural world and in everyday objects.
- Making a structure according to design criteria.
- Creating joints and structures from paper/card and tape.
- Building a strong and stiff structure by folding paper.
- Exploring the features of structures.
- Comparing the stability of different shapes.
- Identifying the weakest part of a structure.
- Evaluating the strength, stiffness and stability of own structure.

Useful vocabulary

function
man-made
mould
natural
stable
stiff
strong
structure

test
weak

