



DT: Memory Box

Knowledge and skills
Enhances and
empowers
You to
Succeed

Cronton CE Primary
School

Keys to
Success

Autumn Term



A memory box is a framed structure.

Structures are things built for a purpose.

Frame Structures are rigid support structures which give shape, and are useful for support & weight bearing. They have joints, which are formed according to the design requirements and materials being used.

Some examples of man-made objects that use frame structures are houses, skyscrapers, bridges, scaffolding, tables, and roller coasters!

Beams in a frame structure can be further strengthened through the use of other features.

Wooden structures are stronger and more stable than other materials such as cardboard.

A mitre joint is joint made by cutting the wood ends to a 45° angle.

A mitre block is used to enable the cutting of mitre joints.

Strong glue is most appropriate for wood.

Joints should be securely clamped together to allow for drying time.

Card strips can be used to create secure joints.

Card triangles can be used to create secure corner joints.

(Triangulation)



Designing Vocabulary

Brief - a written description of what new product should do; what is needed to produce it, how long it will take etc.

Assembling Vocabulary

Adjust - change something to make it better.

Components - a part or element of something.

Measure - use a ruler to make sure it is the right size or distance from something.

Saw - a tool used to cut wood.

Technical Vocabulary

Angle - the space between two intersecting lines or surfaces at or close to the point where they meet.

Dowel - a short, thin piece of wood used for joining larger pieces of wood together.

Frame Structure - a structure that is made stable by a skeleton, able to stand by itself as a rigid **structure**.

Hinge - a movable joint or mechanism on which a door, gate, or lid swings as it opens and closes or which connects linked objects.

Mark - a line made as an indication of where to cut.

Net - a flattened out three dimensional shape such as a cube.

When you cut out the "net", fold it and glue it together you can see what the three dimensional **shape** looks like.

Re-inforce - strengthen or support an object especially with additional material.

