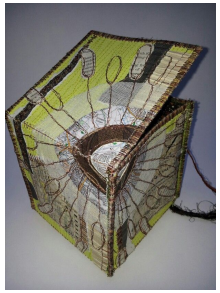
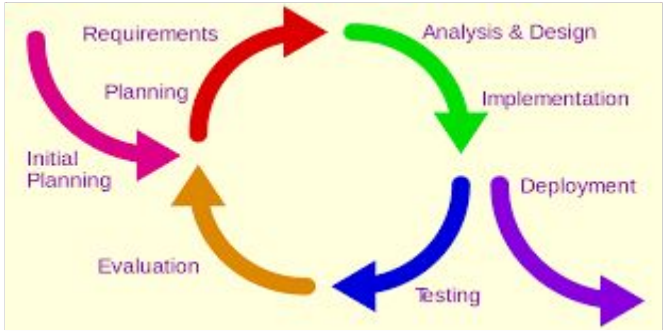
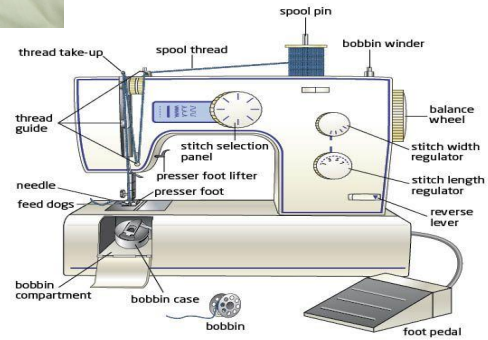
Brief: To make a storage box embellished with a design that represents your personal Identity.





Technical skills:

- Hand stitching techniques
- Cutting and sizing fabric
- Pinning
- Threading a sewing machine
- Measuring
- Designing - drawing
- Machine sewing
- Health, safety and quality control



Stitch unpicker

Measuring tape

Pins

Scissors

Home learning

- Visual research
- Design ideas
- Case study of designers' work
- Making plan /flow chart

Hand needles

Thread

Careers in Textiles

Maths

- Measurements: cm and mm
- Nets
- Symmetry

Word bank

Sewing
Ideogram Pictogram Scissors Hand sewn
Embellishment Stitch unpicker Bobbin Pedal
Seam allowance Measuring tape Specification
Thread Health and safety Templates
Decoration Target market Quality control
Presser foot Pattern Motif Symbolic
Lay flat Hand Wheel Top & Bottom thread

Metals Knowledge Organiser

Y9 Design & Technology

Background to Metals:

Origins of metal production

Lifecycle of metals

Its properties and uses

Sustainability and recycling issues

Design Development

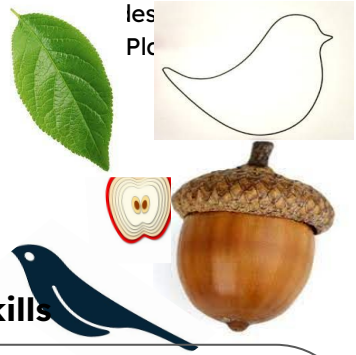
Researching images and working to a theme.

Using drawing to explore, develop and communicate ideas.

Reviewing and developing ideas through drawing and templates, whilst working to a brief

Home Learning

1 Metals research
2. Image research
3. Design ideas
4. Analysis of contemporary



copper based on natural forms.

The pendant/keyring must comprise of 2 pieces of copper to be soldered or linked together

Success Criteria

Functional:
Appropriate scale for use
Comfortable - burr removed
Well constructed
Well finished

Aesthetic:
Inspired by natural forms

Technical skills

Working with copper as a soft and malleable design material to create a pendant/key ring.

Using hand tools correctly and safely to shape and finish the copper.

Exploring ways of creating texture by marking the surface of the copper.

Experience joining copper using a braze hearth, blow torch and silver soldering techniques.

Developing the skill and resilience required to work a material into a

Key Terms smelting ore biodegradable non-renewable fossil fuels recyclable sustainable carbon footprint copper drill coping saw file abrasive paper hammer center punch wire wool vice hand drill metal rule G clamp sacrificial bed burr wasting symmetry asymmetry abstract concave convex annealing silver soldering blow torch braze hearth malleable pallions unique properties