

DESIGN BRIEF: Design and manufacture an acrylic LED clock inspired by Art Deco

JBLEACH@SAMUELWARD.CO.UK

@SWDT_JBLEACH

WEEKLY PLAN

- 1 - Introduction, example & research
- 2 - Workshop safety, FPT Acrylic
- 3 - Analyse task and develop designs
- 4 - Final Idea & Practical
- 5 - Practical - Shape and cutting
- 6 - Practical - Shape and cutting
- 7 - Practical - File, sand, polish
- 8 - Practical - CAD/CAM
- 9 - Practical - Drilling
- 10 - Practical - Putting together
- 11 - Practical - Soldering
- 12 - Evaluation and improvements

TOOLS

- Coping Saw
- Different hand files

ADHESIVE

- Tensol

MACHINES

- Scroll Saw
- CAD/CAM - Laser Cutter, Vinyl Cutter
- Pillar Drill
- Line Bender
- Polishing Wheel

HEALTH AND SAFETY

- Introduction to workshop safety
- Safe use of machines demonstrated by staff to whole class
- Safe and correct use of and storage of tools

PROCESSES

- Cutting
- Filing
- Sanding
- Polishing
- Soldering
- Vinyl/laser cutting

HOMEWORK

Mood board, designer research, practical diary

SMSC

Culture, industrial practise, team work, Sustainability, 6R's

SIZES

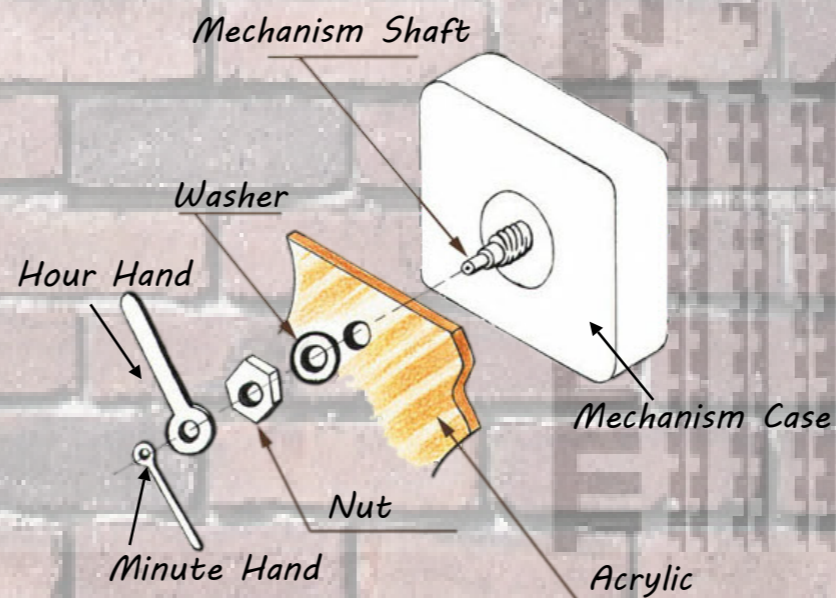
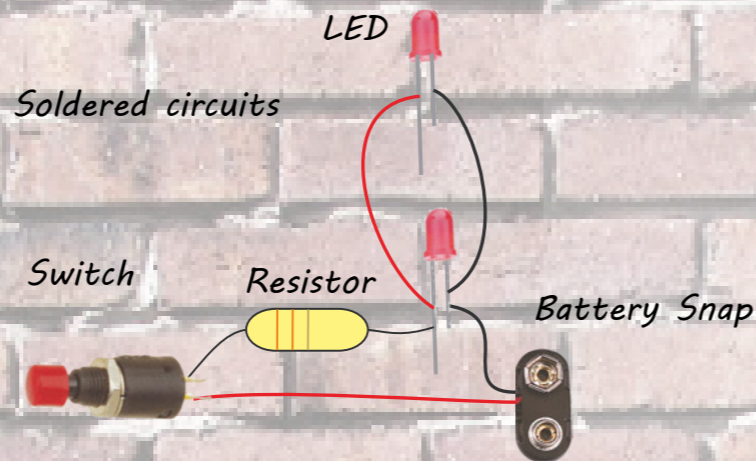
100 x 180 x 3 mm Acrylic
5mm LED, 6mm Switch
8mm Mechanism

WORKSHOP RULES

- Remove jackets and wear an apron
- Wear Goggles when using a machine
- All tools away in correct place
- Guards to be set and used on Machines
- Long hair tied back
- No loose clothing/accessories
- No sitting during practical

DIRT

- Rewrite and improve
- Correct spellings
- 10 x corrected spellings
- Grammatical errors
- Respond to comments
- Copy out neatly
- Likes or dislikes about a piece of work
- Set targets for improvement
- Compare your work with that of another pupil
- Emoticon your work
- RAG learning objectives
- Underline all headings



Notes

- 1925-1940's
- Reflects modern technology
- Smooth lines
- Geometric shapes
- Streamlined forms
- Aztec & Egyptian art
- Clarice Cliff

JAMBLE SOW

- ACRYLIC LED CLOCK