



Kettlethorpe
HIGH SCHOOL

Kettlethorpe High School
Progression Steps
DT Mirror Project

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- Cutting – By hand, expertly cut out complex shapes that is above the expected standard for Y8 pupils.
- Laser cutting – Used the CAD tools excellently to produce a perfectly drawn complex image for the mirror.
- Additional features – During practical lessons, you have expertly worked out using models to create a plan on how your additional features would work and be marked out.
- Independence – You have shown you can problem solve or further develop your designs by planning how parts would be made, most likely through further modelling.

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- Cutting – By hand, expertly cut out complex shapes on the frame showing great patience and care.
- Laser cutting – Outstandingly rare shapes and patterns created with CAD.
- Mirror design – Made the mirror a design feature that isn't just for reflection.
- Additional features – Included additional structural parts that add challenge and accuracy.
- Independence - Been completely self-reliant during making work, able to solve problems for yourself.

7

- Cutting – By hand, excellently cut out more complex shapes showing great symmetry.
- Edges – All edges of the acrylic are completely scratch free.
- Folding - You have done some form of complex or multiple folding.
- Laser cutting – Carefully measured and marked out parts that are accurate using CAD.
- Mirror design – Has been carefully thought out with it in keeping with the design style chosen.
- Additional features – Not relied on the aide of the template measurements for the frame.
- Independence - Worked independently all of the time when making, not needing advice at any point.

6

- Cutting - By hand, cut out basic shapes accurately and symmetrically or attempted more complex ones.
- Edges – All edges of the acrylic are smooth and scratch free in most places.
- Folding - All folds and holes are perfectly done.
- Laser cutting – Used more complex tools and commands in CAD to create parts.
- Mirror design – You have creative background or foreground features added to the basic mirror.
- Additional features – The acrylic features add real character to the design and are done well.
- Independence - Worked independently all of the time when making, only asking for advice.

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- Cutting - Cut out basic shapes accurately on the frame.
- Edges - All edges of the acrylic are smooth in all areas.
- Folding - All folds and holes are accurately done.
- Laser cutting - Parts done in CAD have been drawn accurately.
- Mirror design - You have a basic mirror that has added acrylic features behind or in front of it.
- Additional features - Used extra acrylic for adding greater detail that adds to the design style.
- Independence - Worked independently most of the time when making only requiring some repeated instruction.

4

- Cutting - Cut out basic shapes reasonably well on the frame.
- Edges - Edges of the acrylic have no sharp edges anywhere at all.
- Folding - All of the folds and holes are effective.
- Laser cutting - Created simple features that have used the basic tool commands in CAD.
- Mirror design - You have a basic personalised mirror that uses text.
- Additional features - Added some vinyl decoration which is neatly done.
- Independence - Able to complete processes in correct order after repeated instruction lesson by lesson.

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- Cutting - Used cutting equipment on acrylic to produce some basic shapes on the frame.
- Edges - Sanded edges of the acrylic so you don't have many sharp edges.
- Folding - Some of the folds and holes are reasonable.
- Laser cutting - Have created an accurate but simple shape using CAD.
- Mirror design - You have a basic geometric mirror that is neat.
- Additional features - Looked at the use of sticky vinyl.
- Independence - Can complete making processes when supervised and supported in each lesson.