

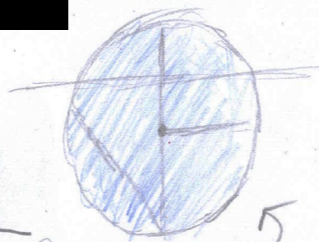


NCCA

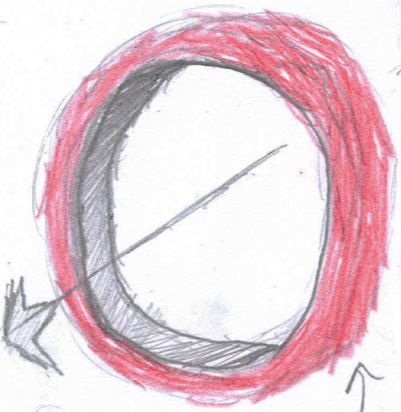
An Chomhairle Náisiúnta
Curaclaim agus Measúnachta
National Council for
Curriculum and Assessment

Junior Cycle Graphics Classroom-Based Assessment 2: Example of Student Work 07

January 2024



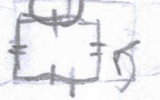
The base is a simple circle with a full circumference.



The place that the candle goes in is a cylinder with an extruded top. We know this because there is a hole in the top for the candle.

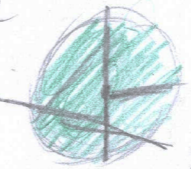


The graph is made up of 1 regular rectangle and 1 circle on the side.

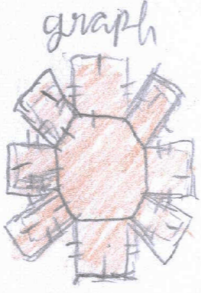
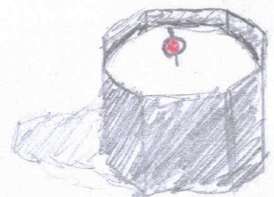


The handle is cylinder with a large portion of the middle extruded out.

The base is a ring made from a rectangle wrapped around.

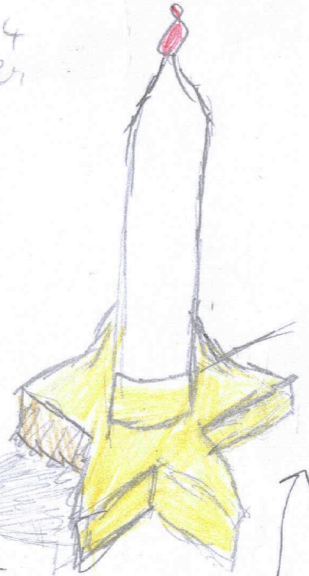


The 4 cylinders inside the ring are made from a circular base and a rectangle wrapped around as a wall.



This candle has an equilateral octagon as a base with width a regular rectangle on each side.

The base is made from a 5 pointed star connected by rectangle at each edge to make a 3D star.

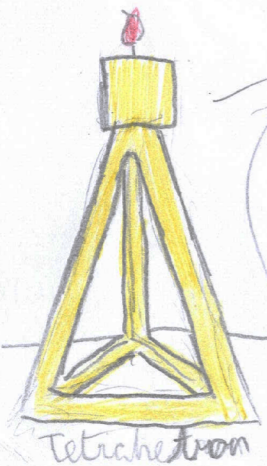


Geometry of Candle Holders

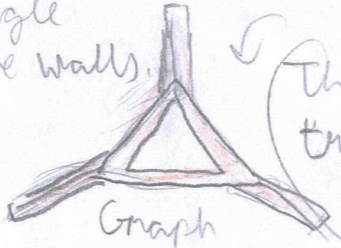
The hole for the candle is a cylinder with a circular base and rectangular wall all around.

The candle is a regular 6 faced cube with a cylinder shaped extrude on top.

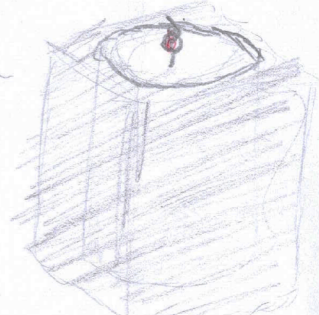
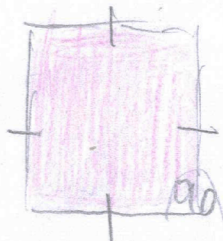
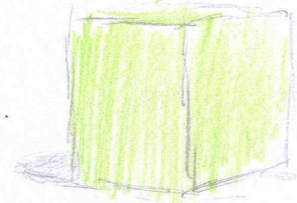
The candle is a tetrahedron with a cylinder on top.



The cylinder is made from a circular base and a rectangle wrapping the walls.



The tetrahedron is made from a triangle with a triangular prism on each corner.



Overview of Research

For my candle holders I went online and looked on several websites to pick them out and was able to find one in in real life as well. I was also using my graphics book and sheets to work on drawing the geometry of the candle holders.

Teacher annotations using the Features of Quality

The annotations capture observations by the teacher, using the features of quality, with a view to establishing the level of achievement this work reflects. The annotations and judgments were confirmed by a Quality Assurance group, consisting of practising teachers and representatives of the NCCA, the Inspectorate, the State Examinations Commission and the Oide support service.

Teacher annotations

Research and analysis:

The research method chosen was appropriate for their area of learning and generated a suitable analysis. The student completed both primary and secondary research and used this research as a foundation to explore the geometry of variety of candle holders.

Exploring concepts:

The response demonstrated some level of understanding of concepts relevant to the domain.

Graphical presentation:

The findings were well presented, using an A3 sheet and a research note. Using 2D and 3D rendered sketches and annotations, the student carefully considered what information best communicated their Classroom-Based Assessment.

Overall judgement:  In line with expectations



Exceptional



Above expectations



In line with expectations



Yet to meet expectations