

YEAR 9	SUBJECT: Graphics	TITLE: Graphics and Drawing Skills.
OBJECTIVE: To introduce the pupils to basic drawing techniques, including orthographic drawing.		

STAGE	ADDITIONAL SKILLS	EXTENSION WORK	RESOURCES	H&S
<p>Stage One: The pupils will revise/revise the use of basic drawing equipment and techniques. They will be shown how to use the T square, set squares to construct horizontal and vertical lines. Producing a 'lines' sheet.</p> <p>They will be shown how to combine the use of this equipment to draw an isometric cube.</p> <p>Shading will be demonstrated.</p>	<p>L. Key words related to drawing techniques and equipment will be emphasized. C. The link between drawing accurately the how drawings can be used to communicate ideas will be stressed. ICT. Potential use of Google Sketchup N. Measuring and marking out on paper accurately. HWK. Complete a second isometric cube on isometric paper.</p>	<p>Draw an every day object as a front or side view.</p>	<p>General writing and drawing equipment. Colours Projector.</p>	<p>CONTROL MEASURE</p> <p>CLEAPPS REF.</p> <p>RESIDUAL RISK</p>
<p>Stage Two: The pupils will be given a number of orthographic drawing exercises to complete.</p> <p>These will include completing a variety of 3D shapes as orthographic drawings.</p> <p>The pupils will draw the clock mechanism in orthographic adding suitable dimensions.</p>	<p>L. Key words related to drawing techniques and equipment will be emphasized. C. The link between drawing accurately the how drawings can be used to communicate ideas will be stressed. ICT. Potential use of Google Sketchup N. Measuring and marking out on paper accurately. HWK. Complete the clock mechanism.</p>	<p>Produce an orthographic drawing of a product of your choice. Include measurements.</p>	<p>General writing and drawing equipment. Colours. ICT network. Projector</p>	<p>CONTROL MEASURE</p> <p>CLEAPPS REF.</p> <p>RESIDUAL RISK</p>
<p>Stage Three: They will draw the final design of their clock in third angle projection. Examples will be shown to each pupil.</p> <p>Emphasis will be placed on the use of a base line and scale.</p>	<p>L. Key words relating third angle orthographic projection. ICT. Potential use of Google Sketchup or Techsoft. orthographic drawings discussed. HWK. Complete orthographic drawing of clock design.</p>	<p>Draw a 3D view of the clock design.</p>	<p>General writing and drawing equipment. Colours. ICT network. Projector</p>	<p>CONTROL MEASURE</p> <p>CLEAPPS REF.</p> <p>RESIDUAL RISK</p>

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