

Help Your Child to Pass 2021

Subject Guidance for

Graphic Communication (National 5)

Key Skills and Techniques to practice

Computer Aided Design (CAD) – Practice these skills whenever you get the opportunity. Remember to use Design Class.

Desktop Publishing (Serif Page Plus) – Use DTP edits, Elements and Design Principles. Remember to add all the elements to the document **and then** format them. There are certain DTP edits which will gain you zero marks eg. Cut Out Studio, so don't waste your time.

Key Points to remember

Look at the Traffic light sheet (attached) and tick things off that you understand. The SQA can only ask you information about the content on this sheet... So go for it.

Modelling plans – Remember to always use sketches and divide your answer in sections... you know this technique.

Production Graphics – Use our class plan... 1) title block, 2) Elevation, Plan, End Elevation, 3) scale, 4) hidden detail and centre lines, 5) annotation and dimensions. **BIG MARKS RELATED TO THIS TOPIC**

Golden Rules/exam tips/points to remember/any other specific information you think would be useful including web resources/apps

THE EXAM (Question Paper) **65 marks** (62% of your final grade) **1 hour 30 minutes (2 minutes 40 seconds per mark)** **16th May 1.15pm**

Command Words – In Higher Graph. Comm. You will need to learn how produce outstanding answers for the following command words: Explain, Describe, Identify, State, calculate (very few)

THE ASSIGNMENT 40 Marks (38% of your final grade) **8 hours**

Three tasks related to the 3 Ps, Preliminary, Production and Promotional Graphics. Remember to plan what you going to do between each lesson so you can use your time wisely. **LEARN FROM YOUR PRACTICE ASSIGNMENT.**

National 5 Graphic Communication - Course summary and revision plan

What do you know and how well do you know it?

K&U	Topic	3	2	1		3	2	1
Graphic types	Knowledge and understanding of the role of preliminary, production and promotional graphics in graphic communication activities.							
Manual techniques	Knowledge and understanding of the role of manual and computer-aided techniques and processes and their comparative merits when producing effective and informative graphic communications and solutions.							
Computer-aided techniques	Knowledge and understanding of the role of computer-aided techniques: <ul style="list-style-type: none"> ◆ describing processes, stages and generic commands applied (or to be applied) in producing graphic solutions ◆ ranges, features and uses of graphic hardware and software and computer systems file management ◆ digital input and output devices and the advantages and limitations of computer-aided design (CAD) ◆ application of light source, surface texture and materials in both 2D CAD and 3D CAD illustrations 							
Drawing standards, protocols and conventions	Knowledge, understanding and identification of recognised drawing standards, protocols and conventions commonly used in engineering and construction: <ul style="list-style-type: none"> ◆ line types: outline, projection, dimension, centre, hidden detail, cutting plane and fold ◆ dimensioning: linear, chain, parallel, radial, diameter, angular, square, across flats and across corners ◆ symbols and conventions ◆ conventions for sectioning and hatching ◆ symbols for building construction ◆ third-angle projection system and symbols ◆ building construction drawing: location plans, site plans, floor plans, sectional views, elevations and scales 							
Geometric shapes and forms	Knowledge, understanding and skills in spatial awareness when interpreting geometric shapes and forms and/or those used in the communication of everyday objects:							

Use this sheet to help you check your progress. Always ask if you don't understand something.



	<ul style="list-style-type: none"> ◆ common geometric forms and everyday objects consisting of squares, rectangles, circles, hexagons, octagons, right prisms, pyramids, cones and cylinders ◆ partial or single cuts to these forms ◆ components based on geometric forms ◆ combinations of two components 							
Views and techniques	<p>Knowledge and understanding of the role, benefits and use of a variety of views and techniques in 2D, 3D and pictorial formats, in communicating geometric shapes and forms and everyday objects:</p> <ul style="list-style-type: none"> ◆ orthographic projection of geometric forms and everyday objects in third-angle projection ◆ true lengths and true shapes ◆ surface developments, sectional views, assembly drawings and exploded isometric views ◆ pictorial views: one- and two-point perspective, isometric, oblique and planometric 							
Layout elements and principles, colour theory and informational graphics	<p>Knowledge and understanding of the types of promotional graphics, informational graphics (including graphs and charts) and their associated roles. Interpretation and identification of creative techniques used for effective promotional graphics:</p> <ul style="list-style-type: none"> ◆ alignment, dominance, unity, depth, contrast, line, the use of colour (warm, cool, contrast, harmony, advancing, receding, mood, tints, shades, primary, secondary and tertiary) ◆ using a range of manual and electronic techniques in promotional graphics 							
Computer-aided design	<p>Knowledge, understanding and interpretation of techniques and generic drawing and editing commands and terms:</p> <ul style="list-style-type: none"> ◆ 2D drawing tools: line, circle, ellipse, arc, rectangle, copy, zoom, mirror, trim, rotate, chamfer, fillet, pattern fill and scale ◆ import and export ◆ 3D modelling features: extrusion and revolve/revolved solids ◆ 3D modelling edits: shell, subtraction, fillet and chamfer ◆ assemblies (mate, align and centre axis) ◆ techniques in producing orthographic and pictorial views using CAD ◆ the use and function of CAD libraries 							

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Desktop publishing	<p>Knowledge, understanding and interpretation in explaining and justifying using desktop publishing (DTP) techniques and generic terms:</p> <ul style="list-style-type: none"> ◆ copy/cut/paste, text box, handles, colour fill, margin, single-page format, title, extended text, cropping, text wrap, flow text along a path, serif and sans serif font styles, bleed, transparency, drop shadow, rotate, justification, paper sizing, reverse, column, gutter, caption, header and footer, line, grid, snap to grid, guidelines and snap to guidelines ◆ the use and role of thumbnails and annotation 							
Graphic communication technology: impact on society and the environment	<p>Knowledge and understanding of the impact and influence of graphic communication technologies on society and the environment: ◆ soy ink and wax ink ◆ 3D printing ◆ touchscreen devices ◆ the paperless office ◆ use of recycled materials ◆ CAD as it supports manufacturing and other industries ◆ DTP in marketing and promotional activities ◆ remote working ◆ communication crossing international boundaries</p>							

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