National 5 Graphics Detailed Couse plan

National 5	Plan					
	Mon 1	Mon 2	Wed 3	Wed 4		Overall number of lessons left
7/1	Last Practice Assignment 1	Practice Assignment 2	Practice Assignment 3	Practice Assignment 4		54
14/1	Practice Assignment 5	Practice Assignment 6	Area - 1	Area - 2		50
21/1	Practice Assignment 7	Practice Assignment 8	Area - 3	Area - 4		46
28/1	Practice Assignment 9	Practice Assignment 10	Area - 5	Area - 6		42
4/2	Prelim 9-11	Prelim 9 - 11	Practice Assignment Feedback	Targeted practice for real assignment based on feedback		38
11/2	Targeted practice for real assignment	Targeted practice for real assignment	Targeted practice for real assignment	Targeted practice for real assignment		34
18/2			Targeted practice for real assignment	Targeted practice for real assignment		30
25/2	Assignment 1	Assignment 2	Assignment 3	Assignment 4		28
4/3	Assignment 5	Assignment 6	Assignment 7	Assignment 8		24
11/3	Assignment 9	Assignment 10	Pack up folios, double check labels and Signatures	Go through prelim paper	Folio Deadline to SQA	20
18/3	Revision Targeted on prelim 1	Revision Targeted on prelim 1	Revision Targeted on prelim 1	Revision Targeted on prelim 1		16
25/3	Revision Targeted on prelim 1	Revision Targeted on prelim 1	Revision Targeted on prelim 1	Revision Targeted on prelim 1		12
15/4	Second Prelim	Second Prelim	Targeted revision	Targeted Revision		8
22/4	Make personal Study plan for Exam leave Targeted Revision based on Prelim 2	Targeted Revision based on Prelim 2	Targeted Revision pupil choice	Targeted Revision pupil choice	Exam leave starts Thursday 25th	4
	Exam - Tuesday 21st May at 1pm to 3pm					

Area	Range of marks
Computer-aided design techniques	15–20
Graphic items in specific situations	8–10
Manual and electronic methods of graphic communication	6–14
Spatial awareness	12–17
Drawing standards, protocols and conventions	10–17
Use of colours, layout and presentation techniques	15–20

Graphic types	Knowledge and understanding of the role of; Preliminary Production 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: 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: 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 and everyday objects	Knowledge, understanding and skills in spatial awareness when interpreting geometric shapes and forms and/or those used in the communication of everyday objects: 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	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: 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	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: alignment, dominance, unity, depth, contrast, line, the use of colour (warm, cool, contrast, harmony, advancing, receding, mood, tints, shades, primary, secondary and tertiary), reflection and shade using a range of manual and electronic techniques in promotional graphics
Computer-aided design	Knowledge, understanding and interpretation of techniques and generic drawing and editing commands and terms: 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
Desktop publishing	Knowledge, understanding and interpretation in explaining and justifying using desktop publishing (DTP) techniques and generic terms: 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	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