LEARNING CHECKLIST | GETTING READY FOR YOUR ASSIGNMENT AND EXAM

BrightRED PUBLISHING

DRAWING TYPES AND STANDARDS

- I can describe tangency and calculate distance between centres.
- I can draw items using the principles of tangency.
- I can describe and draw auxiliary projection views.
- I can draw items that interpenetrate and their surface developments.
- I can describe tolerances and calculate tolerances for components in an assembly.
- I can correctly apply British Standard symbols for engineering and construction drawings.
- I can analyse and create complex sectional views and apply cross-hatching correctly.
- I can interpret and draw forms of technical detail including sections, exploded views, enlarged details.
- I can create clear, accurate and detailed production drawings without assistance.
- I can describe the terms ASSY, PCD, scale, pitch, CSK, CHAMF, CBORE, M, Ø, SØ.

3DCAD AND ILLUSTRATION

- I can use the extrude command to add or subtract material.
- I can use the revolve command on a connected or offset axis.
- I can use and describe the helice command to make coils or springs forms.
- I can use and describe the loft command to create models that change from one shape to another.
- I can use and describe the extrude-along-path to create models that twist and flow.
- I can describe the terms; offset, workplane, axis, datum, sketch, ferature, STEP and DXF.
- I can describe top-down and bottom-up modelling and create complex 3D CAD models with 5 parts.
- I can sketch, draw or explain modelling plans to describe 3D CAD modelling techniques.
- I can illustrate surfaces, materials and textures manually and using CAD illustration software.
- I can create scenes and contexts to place 3D models & create high res' renders of scenes & models.

DTP AND ELEMENTS & PRINCIPLES

- I can use design elements & principles in my own work and evaluate their use in commercial layouts.
- I can use DTP software to create effective layouts in response to a plan or brief.
- I can describe and use pre-press features in final-copy layouts.
- I can create graphics, images and illustrations to suit the needs of a DTP layout.
- I can use DTP techniques and identify and describe DTP terms.
- I can analyse commercial layouts for DTP techniques and Es & Ps and suggest improvements.
- I can explain the terms; header, footer, gutter, margin, column, rule, sub-head, drop cap' & indent.
- I can describe RGB, CMYK, Spot-Colour, cropping, registration, bleed and explain colour theory.
- I can describe different printing technologies, their characteristics and their merits.
- I can describe the terms SVG, JPEG, PNG, pdf, DPI, PPI, resolution, vector, raster, OS and bleed area.

Name:

DESIGN CLASS