

January mock revision - Engineering

- Engineering drawing:
 - Isometric drawing
 - Third angle Orthographic - including hidden detail and symbols
 - Tolerance
- Product development:
 - Anthropometrics/ergonomics
 - Modelling methods, including 3D printing
 - Purpose of prototypes
 - ACCESSFM
 - Sustainable design and 6Rs
 - Difference between want and need
 - CAD – what does it mean and advantages/disadvantages
- Production:
 - One off, batch, mass
 - Manufacturing considerations
 - Material supply and standard dimensions
 - Working with metals
- Evaluation:
 - Forms of evaluation and why it is needed.
 - Evaluating against specification
 - Use of ACCESSFM during evaluation
- Legislation