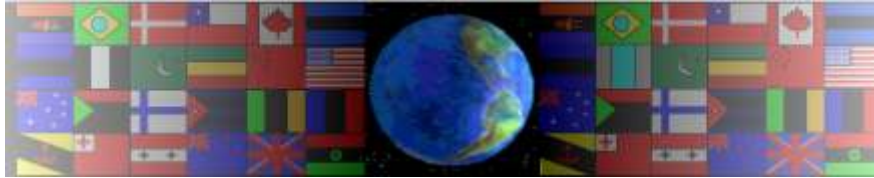


MODEL MANUFACTURE - EXAMINATION QUESTIONS

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On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

This exercise can be printed and used by teachers and students. It is recommended that you view the website (www.technologystudent.com) before attempting the design sheet .

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1. A computer generated model of a mobile phone is shown below. Why is it important to make a real, 3D, physical model, from a modelling material? You may wish to include the following keywords/phrases in your answer:

- | | | | |
|----------------|--------------|-----------------|-------------|
| ERGONOMICS | MEASUREMENTS | USER GROUP | FOCUS GROUP |
| MARKET TESTING | FEEL/TOUCH | PRODUCT TESTING | |



2. Name a material that you would use to manufacture the model mobile phone.

3. Explain your choice of modelling material. Consider the properties of the chosen material, methods of working, quality of finish, final finish, cost, stock sizes etc.....

4. Using the blank table below. Describe how you would manufacture the model phone, from your selected material. Consider:

Tools for marking out, tools for making, CAD/CAM, use of templates, use of primers/sealers (such as PVA sealer) and the final applied finish .

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