

R039 TA1

reehand

2D

ed thumb

he oblique

etch using

erspective

tches using

drawings

ethod of

To be able to

create simple

sketches in 2D

produce deve

nail sketche

sketches usir

and isometric

produce a 3D

the two-poin

drawing

method

render their

annotate desi

3D sketches

colour

use the crating method to

• create simple freehand

compound method

• produce 3D freehand

 add a limited amount of detail to their drawing

take into account how light

label their design sketches

affects the tone of the image

produce accurate isometric

use annotation and render-

ng on their drawing

sketches in 2D using the

- produce a third angle orthographic drawing
- the layout and detail required for an ortho-graphic drawing

othe

Designed by: MBr

Yr11.

will go in to Yr11. Then

after October half term of

pupils will start R040

and





- suggest improvements to the mode
- test the model against the specification
- produce a phy /sical mod el
- produce a testing simulation of the CAD model

Topic Area 2 Modelling design ideas

- can:
- produce a virtual 3D CAD model

R040: Design, evaluation

 carry out a product disassembly and analysis

R040 TA2

modelling

compare products using Ranking Mat ces and Qual oloyment ty Functio (QFD)

Topic Area 1: Product evaluation

l can:

•carry out a product analysis using ACCESS FM.