

D&T Curriculum Map (Year 10)

[2022 – 2023]



End of Unit
Assessment

Year 10– Term 3

R039: NEA
Communicating
designs.

Working on
assessment brief

R038: User testing

To able to explain
quantitative
testing and user
testing

**R038: Modelling, and
measuring**

Modelling methods
to be evaluated.
Explain measuring
devices when
completing product
evaluation

R038: QFD

Explain ranking
matrix, evaluate
using the QFD
method

**R038: Engineering
product design**

Evaluate designs;
Compare the
design brief,
produce a simple
model

End of Unit
Assessment

End of Unit
Assessment

**R038: Sketching
and drawing
CAD**

Compare hand
sketches to CAD
drawings

**R038: Drawing
abbreviations**

Identify drawing
abbreviations, and
explain
mechanical
features

**R039: Drawing
activities**

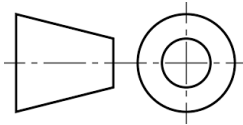
To successfully complete
assembly drawings,
sectional drawings, and
layout drawings by hand
and CAD

**R039: CAD
drawing**

Use more
detailed CAD
commands

R039: NEA
Communicating
designs.
Working on
assessment
brief

Year 10 – Term 2



**R039:
Sketching
designs**

**R039: Types of
drawing**

Develop skills and
understanding in
freehand, orthographic,
oblique, and isometric
drawings with
understanding of
symbols

**R038: Production
methods and
standards**

Explore manufacturing
process and costs.
Understand
British/international
standards

R038: Modelling

Develop skills in
modelling using
card and paper.
Explore the role of
virtual modelling

**R038: Production
and specification**

To use ACCESSFM,
identify the roles of the
designer and client –
Produce a design
specification

**R038: Design
strategies**

To understand
sustainable design,
ergonomics and
anthropometrics and
data collection

**R038: Designing
processes**

Students will
identify linear,
iterative, user
centred, and
inclusive design

Year 10 – Term 1

