

Tudor Grange Academy Solihull

CURRICULUM MAP

Design & Technology

**KEY
STAGE** 3

AUTUMN

SPRING

SUMMER

Y7

Health & safety,
Timbers and boards:
Trinket box project

Timbers and boards and
mechanical systems:
Linkages project

Timbers and boards and
mechanical systems:
Linkages project

Y8

Polymers:
Door hanger project

Polymers:
Mobile phone holder project

Polymers:
Mobile phone holder project

Y9

Iterative design:
Laminated plywood lamp
project

E-textiles:
Day of the Dead keyring
project

Electronic and mechanical
systems, microcontrollers

**KEY
STAGE** 4

AUTUMN

SPRING

SUMMER

Y10

Detailed design:
Scaled flat pack furniture
project

Theory content:
Design & Technology and
our world, materials

NEA

Y11

NEA

NEA

Theory and revision

**KEY
STAGE** 5

AUTUMN

SPRING

SUMMER

Y12

Metal: Camping Stove
project,
Presentation Techniques,
Workshop training:
Kidney bean project
Iterative design:
Envelope lamp project

Practice NEA:
Bottle design, including
CAD tuition

Designing and innovation:
NEA

Y13

NEA

NEA

Theory and revision