YEAR 7 DESIGN AND TECHNOLOGY

KING JAMES'S SCHOOL

KNARESBOROUGH

Name:

Teacher: Class:

During year 7 you will study 4 different aspects of Design and Technology:

Food	Textiles	**CAD/CAM** (Phone Holder)	**Workshop** (Night Light)

This unit will introduce Adobe Illustrator and give you skills to produce laser pathways to use withthe school lasercutter.

CONTENT

Generation and development of ideas

Use of CAD (Adobe Illustrator) & CAM(Laser-cutting)

Line-bending
Plastic

SKILLS

Introduction to CAD/CAM at KJS

Introduction to Adobe Illustrator graphics software
Basic tools
Shape builder tool
Curvature tool
Pathfinder

How to set up a file to cut on the Laser-cutter

Introduction to working with plastics
Thermoplastics
Thermosetting plastics
Laser-cutting Acrylic
Line bending Acrylic

Key Vocab:

Pathfinder	Laser Pathway	Line Bender
Curvature tool	Etch	Acrylic
Shape builder tool	Thermoplastic	CAD CAM