

## Elms Bank Long Term Plan



### Key to Pathways:

Inspire	
Explore	
Thrive	

DESIGN TECHNOLOGY	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Inspire Pathway</b>						
<b>Year 7</b>	<u>Personalised jigsaw:</u> Intro to workshop/ H&S: basic tool use, intro to vacuum former.	<u>Nightlight:</u> Basic tool use, structures, into to 2D Design and laser cutter. Simple electronics , jigs and templates.		<u>Tie dye bags:</u> Dyeing fabrics, joining methods.	<u>Tie dye bags:</u> Dyeing fabrics, joining methods.	<u>Rubber band car:</u> Basic tool use, simple mechanisms, evaluating using criteria.
<b>Year 8</b>	<u>Block Bot:</u> Marking & measuring, accuracy, traditional hand skills	<u>Litterbugs:</u> CAD/CAM, inspiration from nature, generating design ideas.		<u>Photo frame:</u> CAD/CAM, designing for a client, use of artist inspired research.		<u>Pewter casting:</u> CAD/CAM, metal processes-casting, basic tool use.
<b>Year 9</b>	<u>Laminating:</u> Wood processes- laminating, designing for a client, accuracy & finishing	<u>Concrete speaker:</u> Industrial processes- concrete casting, CAD/CAM, PCB soldering	<u>DVD games holder:</u> CAD/CAM, designing for a client, use of research	<u>Modern art clock:</u> CAD/CAM, use of research, accuracy, 2D sketching	<u>Modern art clock:</u> CAD/CAM, use of research, accuracy, 2D sketching	<u>Wall light:</u> Plastics processes- heat treatment, basic electronics, working to a brief
<b>Year 10</b>	<u>Sweetie machine + CAD:</u> Measuring and marking, accuracy, CAD/CAM, basic tools/equipment use, developing hand skills & confidence.		<u>Earphone wrap:</u> Designing for a client, CAD/CAM, sketching and modelling ideas, vacuum former & packaging.		<u>Wooden Storage Unit</u> Wood joints, 2 & 3D sketching, accuracy 7 finishing. Possible CAD/CAM.	<u>GCSE CAT prep:</u> Investigate materials & construction methods.
Year 11- Level 1/GCSE	NCFE VCerts – Level 1 Certificate in Creative Studies: Craft GCSE Controlled Assessment Task - WJEC Exam board					

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	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Explore Pathway</b>						
Year 7	<u>Personalised Jigsaw:</u> Intro to workshop/ H&S: basic tool use, intro to vacuum former.		<u>Night light:</u> H&S, basic tools & components, simple electronics.		<u>Tie dye bags:</u> Dyeing fabrics, joining methods.	
Year 8	<u>Key fob / pen holder:</u> Introduction to CAD/CAM and use of laser cutter. Designing for a client.		<u>Block Bot:</u> Marking & measuring, accuracy, traditional hand skills		<u>Door hanger:</u> Designing for a client, simple electronics.	
Year 9	<u>Monster Night light:</u> Basic tools, simple electronics, CAD/CAM		<u>Patchwork cushions:</u> Designing for a client, use of sewing machine, exploring different materials.	<u>DVD games holder:</u> CAD/CAM, designing for a client, use of research	<u>Modern art clock:</u> CAD/CAM, use of research, accuracy, 2D sketching.	
Year 10- WJEC Entry Level pathways	<u>Sweetie machine:</u> Measuring and marking, accuracy, basic tools/equipment use, developing hand skills & confidence.		<u>Photo frame:</u> Heat treatment-plastics, CAD/CAM, finishing techniques	<u>Photo frame:</u> Heat treatment-plastics, CAD/CAM, finishing techniques.	<u>Wooden Storage Unit:</u> Wood joints, 2 & 3D sketching, accuracy 7 finishing. Possible CAD/CAM.	
Year 11- WJEC Entry Level pathways	<u>Birdbox:</u> Traditional hand skills, use of workshop equipment, H&S	<u>Xmas craft inc. moving cards:</u> Paper engineering, simple mechanisms.	<u>Bug hotels:</u> Traditional hand skills, use of workshop equipment, H&S		<u>Recycled Timber Projects:</u> Traditional hand skills, use of workshop equipment, H&S	
<b>Thrive Pathway – Communication and Literacy</b>						
	Autumn		Spring		Summer	
KS3 and KS4	Disapplied from this subject					