

KEY ✓ Resistant Materials 🍴 Food ✂ Textiles ⚓ Maritime 📄 Charter opportunities

YR7

Y7 UNIT 1



Welcome Aboard

How can I use the kitchen to prepare ingredients and cook safely?

What is the Eat Well Guide and how can I eat healthily?



Y7 UNIT 2



Sea Creature

How do I use hand stitches to join together my soft toy?

How can I design and manufacture a quality soft toy?



Y7 UNIT 3



Plywood Secrets box

Which hand tools and machinery can I use safely to manufacture a quality product?

How could I use CAD/CAM within my finished product?

Y7 UNIT 4



Model pond yacht

How can I safely use tools and machinery to manufacture a model pond yacht?

How can I use the Centre of Effort and Centre of Lateral Resistance to design a seaworthy model pond yacht?



YR8

Y8 UNIT 1



'Cooking in the galley'

How can I use the hob and oven safely to produce a range of cooked and baked food products?

How do I know when I have a well-made and nutritious food product?



Y8 UNIT 2



Drawstring bag

How can I use the sewing machine safely to produce neat seams?

What techniques can I use to embellish and personalise my fabric product?

Y8 UNIT 3



Automaton

Which CAMS would suit different types of motion?

When would it be appropriate to use different hand tools and machinery to manufacture a product?



Y8 UNIT 4



Model Powerboat

How can I work effectively within a team to assemble a product?

What careers are available within the maritime industry?

YR9

Y9 UNIT 1



'Around the World'

What is a food group and how can I combine nutritious ingredients?

How can I analyse food products and improve them?



Y9 UNIT 2



Shorts

How can I use the sewing machine to make an open seam?

How can I use a pattern to make a fabric product?



Y9 UNIT 3



Passive Amplifier

How can I design and manufacture a product with a limited amount of materials?

Why do we make a model when testing a design idea?



Y9 UNIT 4



Boat Challenge

How do I complete an investigation and research into boat hull design, cargo and stability?

How do I prepare for models to be tested?

KS4