

Controlled Assessment Tasks: Resistant Materials

Leisure activities are increasing in popularity. Many garden centres and department stores now have areas specifically targeting this consumer area.

Design Task 1

A garden centre wishes to sell products to encourage wildlife into domestic gardens. Design and make a small product that could be sold in the garden centre.

Design Task 3

Sporting and musical activities are very popular. Many need specialized equipment. Design and make an accessory or product for a sport or musical activity of your choice.

Designers have a responsibility to design products that demonstrate and awareness of environmental issues. Be inspired by the following word bank – Designing for sustainability, re-used and recycled materials and components, sustainable materials, energy efficient devices.

Design Task 4

'Eco Jewel' is a company which supplies jewellery to people wishing to demonstrate their support for the environment. You have been asked to design a range of jewellery using Eco as an inspirational theme. Make up at least one item from your range. You are to design for manufacturing in quantity.

Popular tourist attractions such as Wildlife Sanctuaries, Art Galleries, Animal Farms, Zoos, Theme Parks and Museums often have their own Shops attached. Themed products are always a popular feature.

Design Task 7

A major design museum wishes to expand its range of products on sale in the museum shop. It wishes to sell popular products influenced by major design eras of the last 100 years. Design and make a low-voltage light, radio, phone charging stand or ipod docking station in the style of any design era of the last 100 years. You can use bought-in, or recycled components for the electronics e.g. TEP radio kits.

Design Task 8

Design and make a small storage unit influenced by any design era of the last 100 years

Design Task 9

A major tourist attraction wishes to include themed, quality children's toys aimed at the 3 to 5 age range. Design and make a themed toy that incorporates moving parts or removable parts to add interest.

Our lifestyles are changing rapidly. Our homes contain an ever-increasing range of gadgets and equipment. It is fashionable to have multi-functional living spaces. We need creative, innovative products to help us organise our lives.

Design Task 10

People have an increasing number of gadgets and gizmos in their homes, such as mobile, ipods, remote controls, hand held computer games etc. Many of these products need chargers, memory cards, games etc. Design and make a gadget tidy..

Design Task 12

A Manufacturer of classic games has recognised a gap in the market for a device that allows you to play games and store the parts in the same unit. The device could be used sitting at home, or on the move, e.g. in a car, plane or train. Design and make a playing surface/storage unit for playing games at home or on the move. Consider using CAD/CAM equipment and consider designing the product so that it can be flat-packed.