

Skill Section

Preface

Participants, instructors and assessors should take note of the conditions as laid down in the Award Handbook.

This programme is for guidance and is not to be taken as a rigid syllabus. To indicate the content appropriate to young people with varying degrees of knowledge and experience, it is arranged under three headings: 'For beginners', 'For those with some knowledge' and 'For the more advanced', and participants are free to select as broad or as restricted an aspect of this skill as they wish, but appropriate social and cultural aspects are to be covered. The Safety requirements underlined must be followed.

WORKSHOP CRAFTS

BOAT BUILDING

Introduction

This activity should include as much practical work as possible during the stipulated period. Those participating at any level should be given adequate instruction in the safe use of tools and equipment.

Craft work provides an alternative and equally satisfying pursuit for those who find little motivation from other recreative activities. Like these, it serves to balance more academic efforts, yet, if reinforced with reading in its historical background, it can assist an understanding of the social structure and cultural development of our society.

Socially and in terms of speed and efficiency it is better to learn Craft work as part of a group. Once reasonable proficiency has been achieved, it is possible to accelerate social development through participation in group projects.

For assessment, each individual is to produce evidence of regular application to the activity over the required period. This should normally take the form of finished articles, or certificates of attendance at instruction classes.

General

At Silver and Gold level work should include an introduction to sailing and a study of the historical development of boat building.

For beginners:

Award participants should:

- 1 Have worked under supervision on boat building for two hours a week, or produce evidence or regular work of this kind.
- 2 Know the main parts of a boat and rigging by name and the purpose of all boat's gear.
- 3 Be able to identify and explain the use, in general terms of the following tools: Jack plane; smoothing plane; spokeshave; handsaw; tenon saw; chisels; brace; bradawl; and screwdriver.
- 4 Be able to mark out and cut simple joints used in boat building.
- 5 Have a basic knowledge of types of the timbers used in boat building.

Skill Section

For those with some knowledge:

Award participants should:

- 1 Have had further experience of spare time boat building.
- 2 Have taken part in the construction of small boats or boat kits or other simple methods of boat construction.
- 3 Be able to use all hand tools used in boat building and show an understanding of their care. Also, be able to sharpen planes, spokeshaves and chisels, and set a plane.
- 4 With the aid of plans be able to explain the sequence of building boats from kits.
- 5 Be able to explain the use of a steam box and the bending of timbers, OR describe the construction of curved timbers by lamination.
- 6 Be able to explain and demonstrate the simple joints used in boat building.
- 7 Have a knowledge of marine glues and their use.
- 8 Have experience of setting up timbers and fitting panels under supervision.
- 9 Have a knowledge of the common timbers used in boat building and be able to explain their use.
- 10 Have experience of fitting out a small boat with running and standing rigging.
- 11 Be able to explain preparation of wood for painting and varnishing.
- 12 Be able to carry out simple boat repairs under supervision.

For the more advanced:

Award participants should:

- 1 Be competent in all aspects to carry out unsupervised all tasks concerned with the building of small boats of simple design.
- 2 Show that he/she thoroughly understands the use, care and maintenance of all tools commonly used in boat building.
- 3 Have a detailed knowledge of all timbers used in boat building, their use, characteristics and weaknesses. Be able to assess suitability of timber.
- 4 Be able, with assistance, to carry out the steaming and bending of timbers, OR the construction of curved timbers by lamination.
- 5 Be able to prepare and fit all common joints used in boat building.
- 6 Be able to supervise the fitting out of a small boat with running and standing rigging.
- 7 Have achieved high proficiency in varnishing and painting and have a good knowledge of the use of all marine paints and varnishes.
- 8 Be competent in the setting up of jigs and frames for the construction of dinghies from kits.