

1. Indoor Proficiency Badge (For Scout Section)

Even though we are not allowed to have activities outdoors, there are many things we can achieve indoors too! Below are some proficiency badges that can be done within the confines of your home during this time.

Discuss with your Scout Leader on which badges you wish to pursue and go for it!

Proficiency Badge	Requirement
<p>Artist</p> 	<p>Paint or using aided design with a computer, or draw an illustration of a scene from a story selected by the Examiner.</p> <p>Paint or draw a person from life or an object set before you.</p> <p>Paint or draw a landscape set by or known to the Examiner.</p> <p>Keep a sketch book for a period of 6 months or portfolio.</p> <p>Portfolio should include 10 drawings and 2 to 3 different art works.</p> <p>2 to 3 project works to be included either in the Scout Unit, school or community.</p> <p>A Scout who has professional qualifications awarded by a recognized art institution, or have gained recognition at national or international level, or represented the school in art/design competitions at national or international level would automatically qualify for this badge.</p>
<p>Astronomer</p> 	<p>Demonstrate, with diagrams, drawings or models, a general knowledge of the nature of the stars and planets, and their apparent and actual movements. Understand the causes of the seasons, eclipses, and occultation.</p> <p>Know the meanings of elementary astronomical terms, e.g. sidereal period, axial rotation, synodic period, opposition, conjunction.</p> <p>Give a general account of the bodies in the Solar System: sun, moon (with an explanation of its phases) planets, satellites, comets, meteoroids and minor planets.</p> <p>Give a general account of the stellar system; the stars, double and binary stars, variables, spectra and some general ideas</p>

	<p>about stellar evolution and energy sources.</p> <p>Recognise the main constellations, i.e. Ursa Major, Bootes, Virgo, Leo, Orion, Canis Major, Canis Minor, Gemini, Taurus, Cygnus, Aquila, Scorpio, Sagittarius, Pegasus, Andromeda, Aries, Pisces, Austrinus, Perseus, and Cassiopeia.</p> <p>Discuss the outer galaxies, and explain why they are thought to be receding.</p> <p>Understand the principles of telescopes and spectroscopes. Discuss the work carried on at a major observatory. Know something about the world's leading observatories.</p> <p>Keep an observer's diary for a period of not less than 2 months, with a planned programme included, such as estimating the magnitude of a variable star (e.g. Delta Cephei) or plotting the radiant of a meteor shower.</p>
<p>Computer</p> 	<p>Able to discuss with the Examiner the development of the computer since its inception, the present trends and future outlook.</p> <p>Draw a block diagram of a typical microcomputer. Describe the various component parts and briefly explain their functions in the workings of a microcomputer.</p> <p>Describe 4 types of Data Storage Devices. Know the differences between different computer systems. (e.g. Micro, Mini, Medium and Super Computer System)</p> <p>Do one of the following: Either Write a programme design (or flow chart) of a routine which you perform daily and produce a programme design (or flow chart) for a programme that you have written. Or Show a working knowledge of a common computer language, and demonstrate its use by writing a programme using Branching, Loops and Subroutines on a subject agreed with the Examiner. Run this Programme using a suitable computer system and show the necessity for good presentation and documentation.</p> <p>Able to illustrate 6 applications of modern computer in business, education, health and science.</p> <p>Able to illustrate 6 applications of modern applications and functions of a personal computer that you are familiar with.</p>

	<p>Example: Word Processing, Personal Financing, Home Security and etc.</p> <p>Able to assemble or to replace parts of a personal computer by yourself as requested by the Examiner.</p>
<p>Cook</p> 	<p>Know what is meant by normal culinary terms e.g. to sweat, fold, render.</p> <p>Prepare by yourself and cook 1 of the following: The choice being your own: Banana cake, birthday cake, pudding (bread or rice), or bake a 2 kg cake of your own choice.</p> <p>Cook and serve with rice for 2 to 4 people 2 dishes from the list below: Meat curry Sweet sour fish Stew Roast chicken</p> <p>Cook and serve for 2 to 4 people these 2 dishes: A vegetable dish cooked so as to conserve their food value, A purely wheat meal.</p> <p>Know the principal joints etc of meat and how to carve a chicken.</p>
<p>Naturalist</p> 	<p>Either:</p> <p>Study the natural history (i.e. plant and animals) for at least 3 months, of either a piece of seashore, sand dune, rocks or garden/vegetation; or a length of roadside verge; or a length of stream, river or canal or a small pond, not less than 100 m.</p> <p>Explain the results of the study to the Examiner, using field notes, simple sketches or photographs and sketch maps.</p> <p>Discuss with the Examiner how the natural history of the site studied could be affected by man's activities or management: e.g. waste oil discharged by oil tankers at sea; cutting hedges and roadside verges by machine instead of manually.</p> <p>Or:</p> <p>Make a detailed study of any one plant or animal (i.e. ferns, grasses, wild flowers, trees and shrubs; butterflies, moths or</p>

	<p>other insects, amphibians, wild animals, birds, fish etc). Discuss with the Examiner the results of observations and sources of any information used, i.e. museums, books etc.</p> <p>Make a visit to any natural conservation area in Singapore and display an understanding of how man’s activities or management could affect the site.</p> <p>Show a general understanding of the efforts by the government or any non-governmental organisation involved in the protection of natural environment.</p>
<p>Open Theme Collective</p> 	<p>Discuss with your Examiner on your area of interest to pursue. Lay out your plans as follows:</p> <ul style="list-style-type: none">• What is the objective of this pursuit?• How will you go about the project?