



Scout Personal Challenge Badges

Introduction

Personal Challenge Badges can be the most satisfying part of the Scout Award Scheme. You can choose for yourself the challenges you wish to undertake.

There are over 50 Personal Challenge Badges to choose from. If you want to do your own thing, you can tackle the “Your own choice” Personal Challenge Badge, where you select and create your own badge with assistance from the Scout Leaders.

Personal Challenge list

<p>Community Cornerstone</p> <ul style="list-style-type: none"> • Civil Defence • Emergencies • Fire Fighting • First Aid • Life Saving • Local History • Maori Life <p>New Experiences Cornerstone Your own choice</p> <p>Outdoors Cornerstone</p> <ul style="list-style-type: none"> • Angling • Athletics • Boatman • Bushcraft • Camp Cook • Camp Warden • Camping • Canoeing • Caving • Conservation • Cooking • Coxswain • Cycling • Exploring • Gardening • Hiking • Horse Riding • Marine Navigation • Master at Arms • Meteorology • Navigating • Aircraft Spotting • Airmanship 1 & 2 • Air Navigation and Meteorology 1 & 2 • Aircraft Technical Knowledge 1 & 2 	<p>Outdoors Cornerstone, continued</p> <ul style="list-style-type: none"> • Oarsman • Sailor • Skiing • Sport • Survival Camping • Swimming <p>Personal Development Cornerstone</p> <ul style="list-style-type: none"> • Arts and Crafts includes: <ul style="list-style-type: none"> - Art - Basket Weaving - Bookbinding - Carving - Craftsperson - Model Making - Pottery - Printmaking - Sculpture • Book Reading • Chemistry • Collecting • Computers • Debating • Drama / Playacting • Entertaining • Faith Awareness • Gang Show • Music • Photography • Presenter / Public Speaker • Radio Electronics • Writing
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Personal Challenge Badges



Civil Defence - Cornerstone: Community

REQUIREMENTS	SIGNATURE & DATE
<ul style="list-style-type: none"> • Explain to how the Civil Defence organisation works and the purpose for which it exists. • After meeting with a local coordinator explain how your local Civil Defence organisation operates and is set up. • With the local Civil Defence organisation, work out ways that you could help in an emergency, according to your qualifications. i.e.: messenger, first aid, cooking. Traffic directions, fire fighting etc. • Draw a map of Civil Defence Sector Posts and list local contacts useful in a Civil Defence alert. 	

Emergencies - Cornerstone: Community

REQUIREMENTS	SIGNATURE & DATE
<p>1. Tell what you would do to prevent injury and possible loss of life to yourself and others in at least three of the following emergencies:</p> <ul style="list-style-type: none"> • Fire or explosion at home, in a public building and motor vehicle accident. • Food poisoning. • Boating accident. • Search for lost person. • Lost, delayed or marooned group. • Gas leak at home or at camp. • Earthquake. • Flood. <p>2. Show how you could safely try and save a person who is at risk from:</p> <ul style="list-style-type: none"> • Touching a live electric wire. • In a room with carbon monoxide or other fumes or smoke. • Burning clothes. • Drowning. • An injury while out in ice or snow. <p>3. Take part in an emergency exercise set up by emergency services or your Leaders.</p>	





Personal Challenge Badges

Fire Fighting - Cornerstone: Community

REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none">1. Give a simple explanation of the theory of combustion, including the Fire Triangle.2. Know the dangers and understand the fire precautions in your home relating to:<ul style="list-style-type: none">• All domestic heating.• Airing and drying clothes.• Smoking materials.• Cleaning fluids.• Electrical appliances.• Multi-plug adaptors.• Chimneys.• Incinerators and bonfires.• Party decorations.3. Know the dangers of fire at camp and the fire precautions to be taken at a Patrol camp.4. After a visit to the local Fire Station:<ul style="list-style-type: none">• Demonstrate how to call the Fire Brigade and what information to supply.• Explain what happens from the time the fire call is put in, until it is accepted by the Fire Brigade.• Explain the actions to be taken and why, on an outbreak of fire indoors and outdoors.• Know how smoke travels and how to travel in a smoke filled room.• Demonstrate rescue methods from a fire.• Know the different types of fire extinguisher, when and how to use them.5. Describe how the local Fire Brigade is organised, where the water supply in the town comes from and how the Fire Brigade accesses and uses this water.6. Discuss the advantages of installing smoke alarms in houses and list the maintenance they require.	


Personal Challenge Badges




First Aid - Cornerstone: Community

REQUIREMENTS	SIGNATURE & DATE
Attend and take part in a basic First Aid Course run by a qualified first aid instructor. This may be held at the Scout Hall and are sometimes called First Aid Forums.	

Life Saving - Cornerstone: Community

REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none"> Have passed the Swimming section in the Water Sports Personal Challenge. In deep water, demonstrate the defensive position, an escape from an attempted grasp from the front, an escape from an actual grasp from the front and explain the reasons for your actions. Demonstrate support for a victim in deep water and when he or she begins to struggle, reverse away out of reach. Throw a 20-metre line to fall in between two pegs, twice out of three throws, the pegs to be one metre apart and 12 metres from the thrower. Using a training manikin, know the correct procedures for administering CPR and rescue breathing. Be able to place an unconscious person in the Recovery Position. <p>NOTES:</p> <ul style="list-style-type: none"> A Scout who holds the Royal Life Saving Society's Bronze Star or Bronze Medallion qualifies automatically for Parts 1, 2, 3 and 4. A Scout who has gained the Royal Life Saving Society's Bronze Star or Basic Resuscitation Certificate or higher award within the previous six months qualifies automatically for Part 5. The Royal Life Saving Society Manual - "Swimming and Life Saving" is recommended as a reference - obtainable from Royal Life Saving Society, National Headquarters, PO Box 13-489, Christchurch, or from any local branch of the Society. 	

Local History - Cornerstone: Community

REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none"> Research the history of your locality. Using notes that you have prepared beforehand, discuss the local history with the examiner. This should be illustrated with old photographs or photographs taken by yourself of historic places of interest, or any other materials that may be available. Particular attention should be paid to the early settlement of the area, the lifestyle of the early settlers and the development that has taken place over the years. If possible, you should seek out and talk with senior citizens who have lived in the district for many decades. Give a brief presentation to your Patrol or Troop on what you have learnt. 	



Personal Challenge Badges

Maori Life - Cornerstone: Community

REQUIREMENTS	SIGNATURE & DATE
<p>Be proficient in four of the following (Choose one from each section).</p> <p>A. Language</p> <ul style="list-style-type: none">• Be conversant with Maori greetings and leave takings and be able to use them effectively, e.g.: tena koe, tena korua, tena koutou, morena, haere mai. haere ra, e noho ra etc.• Know Maori descriptive words to translate 20 Maori name places.• Translate from Maori, words of a Maori song or recite the Lord's Prayer in Maori.• Learn and read to your Scout Troop the Scout Promise. <p>Te Oati a te Purahore (The Scout Promise) Ka oati ahau kite whakapau i oku mahara ki toku Atua, Kite kuini me toku whenua, Kite awhina i te tangata A, kite u kite Ture o te Punua Purahorua.</p> <p>B. Games</p> <ol style="list-style-type: none">1. Be able to perform six routines of knucklebones.2. Know and perform one hand game.3. Know and perform one action song or haka. <p>C. Art and Craft</p> <ol style="list-style-type: none">1. Carve a tekoteko, wheku. or manaia.2. Draw from memory and name a rafter pattern.3. Name the parts of a meeting house and know the steps and methods of construction. <p>D. General</p> <ol style="list-style-type: none">1. Know the main canoes (Waka) and relate this information to' the landing of the canoe that settled the local district.2. Relate the story of Rongo and Papa.3. Relate what you know about the Gods: Tangaroa, Whiromatea, Tane, Tu Matauenga, etc.	



Personal Challenge Badges

Your Own Choice - *Cornerstone: New Experiences*


REQUIREMENTS	SIGNATURE & DATE
<p>You may have a special interest or hobby that you would like to do as a Personal Challenge.</p> <ol style="list-style-type: none">1. Discuss your interest with your Scout Leader and mention that you would like to earn a Personal Challenge Badge of your own choice.2. Find a person who could examine this special interest with you. This person will be your examiner.3. Make an appointment with your examiner and discuss your interest. Ask this person to work out a list of what they think you should do to earn the badge. By looking through this book your examiner will get an idea of things they could ask you to do to earn your Personal Challenge.4. Report to your Scout Leader on the things you will have to do to earn your Major Interest. Once approved, set to work to earn the badge.	

Personal Challenge Badges

Aircraft Spotting - Cornerstone: Outdoors

REQUIREMENTS	SIGNATURE & DATE
<p>Aircraft Spotting One</p> <ol style="list-style-type: none"> 1. Recognise correctly from the reference book, three aircraft types out of five selected from each of the following sections: Aeroplanes, Military Aircraft, Helicopters. The examiner to provide random lists of aircraft for student to study. 2. Be able to name the nationality markings of six countries from the following as listed in the Registration section: New Zealand, Australia, Canada, France, Germany, Japan, Malaysia, Singapore, USSR, USA, United Kingdom, Fiji. 3. Be able to identify the main parts of an aircraft including the fuselage, mainplane, tailplane, undercarriage and engines. 4. The reference for this Challenge qualification is New Zealand Aircraft Illustrated compiled by Allan Knowles and published by IPL Books. Wellington. 	
<p>Aircraft Spotting Two</p> <ol style="list-style-type: none"> 1. Recognise correctly from this reference book six aircraft types out of eight selected from each of the following sections: Aeroplanes, Amateur built aircraft, Military Aircraft, Helicopters, Microlights. The examiner to provide a random list of aircraft for student to study. 2. Be able to recognise ten countries by their nationality marking as listed in the Registration Section of this book. 3. Record a log of aircraft seen, including identification features, and approximate height and heading over a period of least one month. 4. Describe the configuration and characteristics of eight out of ten aircraft selected by the examiner from the reference book. Include country of origin, usage, wing to fuselage location, tailplane location, types and location of engine(s), undercarriage type and seating capacity. The examiner to provide random list of aircraft for student to study. 	


Airmanship 1 - Cornerstone: Outdoors

REQUIREMENTS	SIGNATURE & DATE
<p>Airmanship One</p> <ol style="list-style-type: none"> 1. Know the rules and safety precautions to follow when on an airfield. 2. Understand the requirements of a controlled airfield and the significance of airfield control facilities. 3. Know the standard Aldis lamp and Verry light signals. 4. Know the safety procedures for approaching an aircraft and helicopter when engines are running. 5. Visit an airfield and if possible, view Aldis lamps and control signals. 	



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Personal Challenge Badges

Airmanship 2 - Cornerstone: Outdoors



REQUIREMENTS	SIGNATURE & DATE
<p>Airmanship Two</p> <p>Pertaining to Powered Flight:</p> <ol style="list-style-type: none"> 1. Demonstrate to a flying instructor, a pre-flight inspection of a powered aircraft including a cockpit check. 2. Assist in a refuelling operation. Complete a fuel and oil check and understand the importance of the check for water in the fuel. 3. Understand the elementary principles of foreign object detection in the aircraft movement area. 4. Have at least two familiarisation flights in a powered aircraft. <p>OR</p> <p>Pertaining to Glider Flights:</p> <ol style="list-style-type: none"> 1. Demonstrate the following associated with glider operation: <ol style="list-style-type: none"> (a) Knots, hitches and splices used with launching equipment. (b) Launching signals. (c) The handling and parking of gliders. 2. Assist in the rigging and derigging of a glider and with your instructor, carry out a pre-flight check. 3. Have at least two instructional flights in a glider and have acted as a member of a ground handling crew for a glider launch. 	

Aircraft Technical Knowledge - Cornerstone: Outdoors


REQUIREMENTS	SIGNATURE & DATE
<p>Aircraft Technical Knowledge One</p> <ol style="list-style-type: none"> 1. Have an elementary knowledge of the theory of flight, including the principles of an aerofoil and the airflow over an aerofoil shape. 2. Be able to point out and describe the function of the following moveable control surfaces: ailerons, flaps, elevator, trim tabs, rudder. 3. Know the meaning of the following terms: mono-plane, bi-plane, fuselage, tailplane, mainplane, leading edge, trailing edge, dihedral, sweepback. 4. Point out the main components of an aircraft piston engine, a gas turbine engine and a jet engine. 5. Construct a paper aeroplane. 	
<p>Aircraft Technical Knowledge Two</p> <ol style="list-style-type: none"> 1. Describe the four-stroke cycle of an internal combustion engine and understand the basic requirements of a lubrication, ignition and fuel system. 2. Describe in basic terms the working of a jet engine. 3. Have a basic understanding of propeller principles including pitch and its effect. 4. Explain the importance of lock wire on aircraft and demonstrate the lock wiring method used. 5. Explain your understanding of the terms angle of attack, lift, drag and centre of pressure. 6. Construct a balsa and tissue, rubber powered aeroplane and construct a paper and tissue balloon. 	

Personal Challenge Badges

Air Navigation and Meteorology Cornerstone: Outdoors


REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none"> Describe the form of the earth and an understanding of latitude and longitude. Explain your understanding of the terms: direction on the earth, the earth's magnetic field, true magnetic north, variation and deviation. Explain your understanding of the composition of the atmosphere and atmospheric pressure, temperature and density. Explain your understanding of wind causes and wind velocity, local wind effect, sea breezes and funnel effect. Explain your understanding of the formation of clouds and list the basic types of clouds. Record daily the outside temperature and surface pressure for one week. 	
<p>Air Navigation and Meteorology Two</p> <ol style="list-style-type: none"> Explain the meaning of the following terms: <ol style="list-style-type: none"> True and magnetic bearing. Great circle. Rhumb line. Explain your understanding of the terms: variation of atmospheric pressure with height, lapse rates, stability, instability and inversion. Explain your understanding of the formation of weather pressure systems, the backing and veering of winds, foehn wind effect, squalls and Clear Air Turbulence (CAT). Record daily, the wind direction and cloud types for a one week. 	

Angling - Cornerstone: Outdoors

REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none"> Explain your understanding of the water safety rules including the dangers of wading and river crossing. Know the numbers, species and sizes of fish that can be caught in your area or that you are interested. Know the licensing requirements including the date of the closed seasons. Demonstrate knowledge of the habitat and feeding behaviour of at least one fish species. Demonstrate how to cast, tie on hooks and use your fishing tackle. Go fishing on at least 4 occasions – keep a log of the places you went, the weather and how many fish you caught. 	

Personal Challenge Badges

Athletics - Cornerstone: Outdoors

REQUIREMENTS	SIGNATURE & DATE
<p>Select four of the following events (at least one to be chosen from each group) and show an improvement in your performance by undertaking two tests at an interval of not less than 6 weeks.</p> <ul style="list-style-type: none"> • Running: 100m, 200m, 400m or 1500m. • Jumping: High, long. • Throwing: Cricket ball, discus, weight. <p>Whatever your standard at the first test, the minimum standard required after the three months period must be:</p> <p>Running</p> <ul style="list-style-type: none"> • 100 metres 15 seconds • 200 metres 34 seconds • 400 metres 81 seconds • 800 metres 3 min 9 seconds • 1500 metres 5 min 56 sec. <p>Jumping</p> <ul style="list-style-type: none"> • High 112 m • Long 3.8 metres <p>Throwing</p> <ul style="list-style-type: none"> • Cricket Ball 46 metres • Discus (small) 17 metres • Weight (81b 13oz) 7.5 metres <p>You must show genuine improvement in all four events. The aim is that this would be achieved after practise requiring effort. The examiner may make allowance for adverse weather or track conditions on the day of the event.</p>	


Boatman - Cornerstone: Outdoors

REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none"> 1. List what clothing to wear and the personal equipment needed for sailing and rowing. 2. List the different features of a Type 402 lifejacket and Type 403 buoyancy aid. Select an appropriate sized PFD and demonstrate wearing it correctly. 3. Swim 50 metres and then tread water for five minutes. 4. Correctly describe the following terms: <ul style="list-style-type: none"> • Port. • Starboard. • Bow. • Stern. 4. Take part in launching and retrieving a boat. 5. Demonstrate how to board a boat from a wharf, from a beach or from another boat. 	


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Personal Challenge Badges

Boatman - Cornerstone: Outdoors


REQUIREMENTS Continued	SIGNATURE & DATE
<ol style="list-style-type: none"> 6. Explain the dangers and precautions to take when a boat is coming alongside, when moving in a boat, raising and lowering spars and oars, removing equipment such as boathooks. 7. Be able to bail, fend and lash loose equipment securely and cast off. 8. Know the basic distress signals that can be performed with equipment normally found in a cutter. 9. Complete four hours practise in Scout cutters on the water. 10. Be able to tie the following knots: <ul style="list-style-type: none"> • Figure-eight. • Clove-hitch. • Reef knot. • Make fast to a cleat. 	

Bushcraft - Cornerstone: Outdoors


REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none"> 1. Using a map and compass demonstrate your ability to identify the country through which you are tramping. All features seen on land should be identified on the map and vice versa. 2. List the safety precautions and the equipment you would take on a day tramp in bush country, on a weekend tramp in bush, and along ridges above the bush line. 3. Explain what to do in the bush on being parted from the main party. 4. Make a bivouac or find a natural shelter in the bush and sleep in it, demonstrating the need to conserve the bush. 5. Explain the prevention, symptoms and treatment of exposure. 6. Light a fire in the bush and cook a meal. 7. With the use of a map tell the examiner about one tramp completed in the last six months. 8. Have an elementary knowledge of GPS and discuss the advantages and limitations of the devices. 9. Discuss with the examiner the merits of Mountain Radios (and explain where to hire them from) and cell phones to make your tramping safer. Explain the limitations of both radios and cell phones. 10. Explain the dangers of drinking water from streams and rivers in the bush. Discuss the dangers of Giardia and list its symptoms. 	

Personal Challenge Badges

Camping - Cornerstone: Outdoors




REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none"> 1. Have camped under canvas with your Troop or Patrol for a total of not less than 10 nights. 2. Pitch and strike a hike tent without assistance. 3. Direct successfully the pitching, striking and packing of a Patrol tent. 4. Know what to look for when choosing a campsite. 5. Explain your understanding of the principles of camp hygiene and the importance of order and cleanliness in camp. 6. Demonstrate how to store food in a Quartermaster's tent. 7. Construct by yourself a camp larder or set up a camp oven or make a camp gadget of your own choice. 8. At a camp, cook either a hot breakfast meal, or a dish for a main meal, which must include two vegetables. 9. Have knowledge of the Scout Activity Permit and risk management procedures. 	

Camp Cook - Cornerstone: Outdoors

REQUIREMENTS	SIGNATURE & DATE
<p>At camp choose a suitable site for and set up a kitchen. Cook the following dishes for 3 or more people under camp conditions using ordinary utensils or foil. Dishes must be cooked and served to a high standard.</p> <ol style="list-style-type: none"> 1. Cook and serve one of the following: Bacon and eggs, scrambled eggs, sausages with tomatoes, fish, or porridge. 2. Cook and serve a stew, mixed grill, or main course dish of your own choice. 3. Cook and serve a steamed or boiled pudding, stewed fruit and custard, rice and apples, or a sweet of your own choice. 4. Draw up two menus for a main meal of three courses, with quantities for a Patrol of six, (not all courses require cooking). 5. Explain the importance of food safety and food hygiene in a camp situation. 	

Personal Challenge Badges

Camping Nights - Cornerstone: Outdoors

REQUIREMENTS	EXPLANATION	SIGNATURE & DATE
10 Camping Nights Award	Awarded for 10 nights camping in huts or under canvas.	
20 Camping Nights Award	Awarded for 20 nights camping in huts or under canvas	
30 Nights Camping Award	Awarded for 30 nights camping in huts or under canvas	
50 nights camping Award	Awarded for 50 nights camping in huts or under canvas	

A certificate is awarded for each of the levels achieved.

The Camping nights badge is awarded when the Scout achieves 50 camping nights during membership of Scouting. Kea and Cub camping nights may be included.

At least 50% of the nights must be under canvas An example of a certificate is shown below.

CAMPING NIGHTS CERTIFICATE

The certificate acknowledges that

.....

Has completed nights camping in huts and under canvas with the

.....Troop

Signed: Date:

Scout Leader


Camp Warden - Cornerstone: Outdoors

REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none"> 1. Have camped on 10 separate occasions on at least four different sites. 2. Have worked for at least two days at a regularly used campsite helping the warden to their satisfaction. 3. Demonstrate how to carry out THREE of the following: <ol style="list-style-type: none"> a) The safe and hygienic care of food. b) The hygienic care of drinking water. c) The safe disposal of waste. d) The construction and care of latrines. e) Care of cooking stoves and of equipment other than personal gear. 	

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Personal Challenge Badges

Camp Warden - Cornerstone: Outdoors, *continued*

REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none"> 4. List the material needed to equip a camp first aid kit suitable for a Patrol, for a camp of seven days duration. 5. Know how to use an axe and saw. 6. Discuss with the examiner developments and improvements you would like to see on any permanent camp with which you are familiar. 	

Canoeing - Cornerstone: Outdoors

REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none"> 1. Swim 50 metres in light clothing (shirt, shorts and socks as minimum) without the use of life-jacket. 2. Name the parts of a canoe and its equipment. 3. Be able to make simple repairs to a canoe, know what repair kit to carry in the craft, and know how to maintain a canoe in serviceable condition. 4. Know how and when to use at least three bends or hitches necessary in canoeing pursuits. 5. Know the safety rules applicable to water activities with particular reference to those laid out in the NZ Canoeing Association Code of Practice found in their Enjoy Your Canoeing Safety pamphlets. 6. Demonstrate the correct way to load a canoe with camping equipment and stores for a short expedition. Demonstrate how to trim the craft properly. 7. Explain the at sea "road rules" for local canoeing waters and the local boating rules for Scouts as they affect light craft. 8. Perform correctly the following exercises in a single-seat canoe. <ol style="list-style-type: none"> (i) Forward and reverse paddling. (ii) Forward and reverse sweep strokes (both sides). (iii) Emergency stops. (iv) Low brace turns (both sides). (v) Pick up a light object from the water. 	

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Personal Challenge Badges

Canoeing - Cornerstone: Outdoors, *continued*

REQUIREMENTS	SIGNATURE & DATE
<p>Canoeing continued.</p> <p>Either.</p> <ol style="list-style-type: none"> 1. Take part in a short overnight canoeing expedition in company with at least three other canoes, which may be single-seat or fully manned two-seaters. 2. The journey must be a total distance of at least 15 kilometres. You must carry in your craft all necessary equipment including your share of the camping gear and stores required for the duration of the expedition. <p>Or</p> <ol style="list-style-type: none"> 1. With at least three other canoes (single-seat or otherwise) take part in a surface rescue exercise. Respond to a distress signal for assistance from a capsized canoeist in the water at approximately 200m distance clear of the surf in deep water. 2. Paddle to the scene of the incident, assist in righting the upturned canoe and re-embarking the crew under the direction of the leader of the operation. 3. Escort the salvaged craft through the surf and beach with minimum assistance from the shore party. 	

Caving - Cornerstone: Outdoors

REQUIREMENTS	SIGNATURE & DATE
<p>All practical aspects of this badge test and the practise for it must be carried out in the company of an experienced caver.</p> <ol style="list-style-type: none"> 1. Know the safety rules for caving and potholing and explain the reasons for them. 2. Demonstrate how to lifeline. Whilst doing so, be able to arrest a weight equal to your own weight, which is attached to the free end of the lifeline. Allow a free fall of one metre for this test. (Carried out above ground.) 3. Explain the minimum standards for equipment and how to maintain it. 4. Explain how caves form and name four different formations. 5. Keep a brief log and take part in not less than two caving expeditions which will involve the following: <ol style="list-style-type: none"> (a) Not less than five hours underground. (b) Climb and descend a ladder of not less than four metres (practise for this above ground). (c) Go through a crawl or squeeze. (d) Complete one other difficulty such as a small free climb, chimney or traverse. 	

Personal Challenge Badges

Conservation - Cornerstone - Outdoors

REQUIREMENTS	SIGNATURE & DATE
<p>Take part in a Local, National or International Clean-Up campaign or project to help the environment.</p> <p>e.g. Planting trees, beach clean-up, seabird count, wetland regeneration project, shellfish count etc.</p> <p>Then complete two items from the Global Warming and two from the Pest Species section below.</p> <p>NOTE: After consultation with the Examiner/Scout Leader other conservation projects of the Scout own choice could be substituted.</p>	
<p>1. GLOBAL WARMING</p> <ol style="list-style-type: none"> 1. Invite a speaker to talk about Climate Change. Find out what you can do to help. Act on one thing each week for 4 weeks i.e. turn off lights, walk to school etc. 2. Research Climate Change using the internet or by watching DVDs and make a scrapbook or poster to show your findings. Display at your Scout hall or Public Library. 3. Research new technologies such as Hybrid cars, energy efficient light-bulbs. (can also be done in sustainability section). 4. Work out your Carbon Footprint. 5. Make a game about Climate change and teach it to the Cubs. (ie. Environmental Snakes and ladders). 	
<p>2. PEST SPECIES</p> <ol style="list-style-type: none"> 1. Research NZ pest species and be able to recognise six plants and six animals that are causing a problem in your area. Explain what can you do to help. 2. Find out about the life cycle of a possum. 3. Go possum trapping or get a speaker to talk about possum control. 4. Clear an area of noxious weeds. Find out why they are considered to be a problem. 5. Make a computer game in which you get rid of pest plants or animals. 6. Make a video or photo exhibition showing pest plants and animals in your area. Display in your library, school or community centre if possible. 	

Personal Challenge Badges

Cooking - Cornerstone: Outdoors

REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none"> 1. Discuss the basic food hygiene requirements in a kitchen and when cooking. 2. Be able to bake muffins, a cake, biscuits or scones. 3. Prepare, and serve a three-course meal for at least 4 people (one of whom would be the examiner). Clean up afterwards. 4. Find a menu from another culture and cook it for your family. 5. Either visit a restaurant kitchen and talk to the chef about their job or participate in a mystery box cooking competition (Scouts given ingredients and have to make and cook their own recipe). 	

Coxswain - Cornerstone: Outdoors

REQUIREMENTS	SIGNATURE & DATE
<p>The Oarsman and Swimmers Badge must be completed before attempting this challenge.</p> <ol style="list-style-type: none"> 1. Supervise the preparation of the boat for rowing, ensuring that the crew are dressed appropriately. 2. Supervise the launching and retrieving of the boat as well as assisting in securing the boat onto the boat trailer. 3. Know the Scout Water Activity Rules applicable to: <ol style="list-style-type: none"> a. Charge certificates and boating limits. b. Boat Certificate. 4. Correctly explain: <ol style="list-style-type: none"> a. "The rules of the road at sea" (Maritime Rules Part 22, 22.11 to 22.18) b. Maritime Rules that apply to small power boats (less than 20 m) and sail boats. c. Maritime Rules Part 91 or Regional Council Navigation Safety Bylaws. d. Knowledge of water ski access lanes and white power cable markers. 5. Identify correctly the equipment that must be carried in a boat being rowed. 6. Explain the steps for prevention of hypothermia. Describe the symptoms and emergency treatments of Hypothermia and Artificial resuscitation. 7. Competently take charge of the boat and maintain discipline while: <ol style="list-style-type: none"> a. Letting go and coming alongside a wharf. b. Anchoring. c. Beaching. d. Coming alongside another boat. e. Coming up to a buoy. 	

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Personal Challenge Badges

Coxswain - Cornerstone: Outdoors, *Continued*

REQUIREMENTS	SIGNATURE & DATE
<p>8. Recover a person or piece of equipment that has fallen overboard.</p> <p>9. Explain what to do if:</p> <ul style="list-style-type: none"> • Carried away by wind. • Carried away by Tide. • Swamped. • Involved in a collision. <p>10. Demonstrate how to prepare a boat for towing and then tow another boat.</p> <p>11. Row a boat with only one other oarsman and no coxswain.</p> <p>12. Demonstrate how to correctly load a boat with stores and row it to another location and correctly unload.</p> <p>13. Explain what to do in the event of capsize.</p> <p>14. Describe how raise the alarm in an emergency.</p> <p>15. Demonstrate how to tie and use the following correctly:</p> <ul style="list-style-type: none"> • Eye splice. • Sailmaker's whipping. • The knots specified in Boatman and Oarsman badges. <p>16. Completed at least four hours as coxswain during rowing practise on at least three separate occasions since obtaining Oarsman badge.</p> <p>17. Cox in at least one rowing race at a Zone or Regional Scout Regatta.</p>	

Cycling - Cornerstone: Outdoors

REQUIREMENTS	SIGNATURE & DATE
<p>1. Use and have satisfactorily cared for a bike for at least six weeks that is properly equipped and in good working order.</p> <p>2. Be able to make simple adjustments and repairs e.g.: repair a puncture, change a tyre and tube, replace a brake shoe and block, adjust the height of the seat and handlebar to enable a younger person to ride the cycle.</p> <p>3. Demonstrate that you know and observe the provisions of the "Road Code" relating to cyclists and published by the Land Transport Safety Authority (LTSA).</p> <p>4. Take part in a Scout activity that includes the use of cycles.</p> <p>5. A Scout who has gained the Cub Scout Cyclist Interest badge shall qualify for the Cycle Personal Challenge by completing only sections 2 and 4.</p>	

Personal Challenge Badges

Exploring - *Cornerstone: Outdoors*

REQUIREMENTS	SIGNATURE & DATE
<p>Fill in an Activity Intention form before the journey is undertaken.</p> <ol style="list-style-type: none"> 1. Arrange and carry out an expedition for yourself and at least three other Scouts, preferably members of your Patrol. The expedition will be of not less than two days and one night's duration in countryside not previously visited. The expedition may be carried out on foot, by cycle, on horseback, by canoe or by boat. All equipment and food for the expedition is to be carried by those taking part. 2. Report to the examiner and Scout Troop on your return. 3. Instead of completing 1 and 2, design an alternative Exploring challenge of equal difficulty. Discuss and get your Scout Leader's approval before substituting this challenge. 	

Gardening - *Cornerstone: Outdoors*

REQUIREMENTS	SIGNATURE & DATE
<p>a).</p> <ol style="list-style-type: none"> 1. Plan and be mainly responsible for your own garden for a period of at least 3 months. 2) Discuss with your examiner the work you have done during the period, the progress of your plants, the fertilisers you have used, any pests or diseases encountered and the measures you have taken to control them. Explain the precautions necessary when handling the materials used. 	

Personal Challenge Badges

Hiking - Cornerstone: Outdoors

REQUIREMENTS	SIGNATURE & DATE
<p>Fill in an Activity Intention Form before the journey is undertaken.</p> <ol style="list-style-type: none"> 1. With three other Scouts, take part in a hike navigating by map and compass on a course of not less than 15km. The course is to be set by the examiner with at least five map reference points to be visited. 2. The reference points are to be spaced at least one kilometre apart and travel by road is to be kept to a minimum. 3. A full report based on notes made during the hike must be made to examiner on return. 	

Horse Riding - Cornerstone: Outdoors

REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none"> 1. Hold "C" Certificate in a Pony Club or equivalent. 2. Have a seat independent of the reins and be able to maintain the correct seat and position of the hands. 3. Have control of the pony, with knowledge of the correct aids and elementary movements. i.e.: turns on the move, circles, increase and decrease of pace. 4. Be able to jump low fences and be able to mount and dismount correctly. 5. Know the essential grooming kit and its uses. 6. Be capable of saddling, bridling and tugging up. 7. Demonstrate an understanding of the care and cleaning of saddlery. 8. Demonstrate an elementary understanding of feeding, watering and cleanliness of the horse. 9. Demonstrate knowledge of the care and working of a pony off grass. 10. Recognise a loose or worn shoe, risen clench, excessively long foot and know what action to take. 11. Explain the points of a horse. 12. Explain what is required with relation to opening and shutting gates. 	

Personal Challenge Badges

Marine Navigation - Cornerstone: Outdoors

REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none"> 1. Know the conventional signs used on a chart and be able to plot a position by latitude and longitude. Be able to lay off course and measure distances. 2. Know the different types of buoys, lighthouses and beacons in use at a port. 3. Demonstrate how to take soundings using a hand lead and line and how to obtain the times of high and low water and the tidal range in port from the tide tables in the New Zealand Nautical Almanac. 4. Using a boat's compass, demonstrate the ability to steer a compass course as directed by the examiner. Know the magnetic variation for the locality and be able to calculate the true course from magnetic. 5. Organise and take charge of a Patrol expedition over a distance of at least 8 kilometres keeping a log of courses steered and distances covered, weather and sea conditions and such other information as the examiner may require. It will be necessary for a Charge Certificate holder to accompany the party. 	

Master at Arms - Cornerstone: Outdoors

REQUIREMENTS	SIGNATURE & DATE												
<p>You must pass all the tests in ONE of the following alternatives A or B:</p> <p>A.</p> <ol style="list-style-type: none"> 1. Demonstrate proficiency in one of the following: Singlestick, Quarterstaff, Fencing, Boxing, Judo, Taekwondo, Aikido, Wrestling or Archery. 2. Attend regular training sessions in the selected activity for a period of not less than three months. 3. Take part in the selected activity in a properly supervised contest and be able to demonstrate the correct methods of attack and defence. <p>B.</p> <ol style="list-style-type: none"> 1. Have an understanding of the "Arms Code" especially the sections relating to the basic parts of a firearm, firearms safety and the safety rules at a shooting range. 2. Before visits to rifle ranges are undertaken, arrangements should be made for a representative of the NZ Small-bore Rifle Association to visit the Troop and give instruction. Visits to a rifle range should be undertaken in small groups and under the supervision of a Certified Range Officer. 3. Produce four targets fired by yourself within the small-bore season, showing that you have obtained not less than the minimum score indicated. The Club Captain or other executive of the club or association controlling the range must certify the targets. Small-bore (.22in) New Zealand Small-bore Rifle Association rules shall apply. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Test</th> <th style="text-align: left;">Distance</th> <th style="text-align: left;">Minimum Score</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>25 metres</td> <td>75</td> </tr> <tr> <td>2</td> <td>20 metres</td> <td>75</td> </tr> <tr> <td>3</td> <td>15 metres</td> <td>75</td> </tr> </tbody> </table> <p>Attention is drawn to the rules relating to shooting and the use of firearms. These are set out in The Rule Book of Scouts New Zealand.</p>	Test	Distance	Minimum Score	1	25 metres	75	2	20 metres	75	3	15 metres	75	
Test	Distance	Minimum Score											
1	25 metres	75											
2	20 metres	75											
3	15 metres	75											

Personal Challenge Badges

Meteorology Badge - Cornerstone: Outdoors

REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none"> 1. Make a simple rain gauge. 2. Make a simple weather station and operate it for one month. <p>Explain the major things that affect climate in your area.</p> <ol style="list-style-type: none"> 3. Be able to identify on a weather map the following features and indicate the typical weather associated with each: <ol style="list-style-type: none"> a. Anticyclone. b. Depression. c. Cold front. d. Warm front. 4. Be able to identify the main types of cloud. 5. Explain how to obtain an up-to-date forecast for your area. 6. Explain how to find any special forecasts for sailing, tramping or skiing and the Marine forecast. 	

Navigator - Cornerstone: Outdoors

REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none"> 1. Using the example set by the examiner, show that you understand the purpose of the following features of a Land Information N.Z. map: <ul style="list-style-type: none"> - Scale. - National grid reference. - True, grid and magnetic north. - Contour lines. 2. Have a basic knowledge of the traffic signs and signals as illustrated in the Road Code. 3. Prepare an Automobile Association-style road map for use by a motorist or motorcyclist for a journey of 80 kilometres as set by the examiner. 4. Accompany a motorist as a passenger and navigator on a journey of 160 kilometres. Wherever possible motorways and state highways should be avoided. 5. Take part in a properly organised orienteering event, competitive or otherwise. 	

Personal Challenge Badges

Oarsman - Cornerstone: Outdoors

REQUIREMENTS	SIGNATURE & DATE
<p>Pass the Boatman Personal Challenge before commencing this challenge.</p> <ol style="list-style-type: none">1. Be able to identify the following parts of a Sea Scout standard cutter:<ul style="list-style-type: none">• Thwarts, bow sheets and stern sheets.• Oars, crutches, crutch sockets and stretchers.• Knees, breast hook, quarter knees and transom knee.• Keel, planks, ribs, gunwhale and gunwhale capping.• Stem, towing eye and painter.• Transom, horse, gudgeons and pintles.• Rudder and tiller.2. Assist with the preparation of the boat for rowing.3. As a member of a boat's crew be able to respond correctly to the following orders:<ul style="list-style-type: none">• Give way.• Oars.• Backwater.• Hold water.• Rest oars.• Toss, ship and boat oars.4. Assist with anchoring and make fast to a wharf or other boat under directions from a coxswain.5. Throw a life ring and a 12-metre line accurately to a chosen mark.6. Demonstrate how to row competently as a member of a crew.7. Demonstrate how to tie the following knots correctly:<ul style="list-style-type: none">• Bowline.• Sheet bend.• The knots specified for the Boatman Personal Challenge.8. Complete at least eight hours rowing practise during at least six separate occasions since obtaining the Boatman Personal Challenge.9. Crew in at least one rowing race at a Zone or Regional Scout Regatta.	

Personal Challenge Badges

Sailor - Cornerstone: Outdoors

REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none"> 1. Pass the Oarsman Badge. 2. Pass the Swimmers Badge. 3. Be able to identify the following parts of a Sea Scout standard cutter rigged for sailing: <ul style="list-style-type: none"> • Chain plate. • Centre case. • Centre plate. • Mast, mast step, hounds band, sheaves, halyards. • Forestay, side stays, running back stays. • Boom, gooseneck, boom vang and outhaul. • Main and jib sheets. 4. Be able to identify the following parts of a sail. <ul style="list-style-type: none"> • Tack, throat, head, peak and clew. • Luff, head, leach and foot. • Reef points and Cunningham. • Batten pockets. • Gunter. 5. Assist with the rigging and derigging of a standard cutter on land and in the water. 6. Demonstrate how to tie and use correctly: <ul style="list-style-type: none"> • An Eye Splice. • A Sailmaker's Whipping. • A Rolling Hitch. • The knots specified in Boatman and Oarsman badges. 7. Demonstrate how to effectively trim the boat under sail. 8. Demonstrate how to do the following : <ul style="list-style-type: none"> • Let fly. • Ease. • Tighten. • Cleat. • Lee-o. • Gybe. 9. Assist in reefing the main sail of a standard cutter 10. Assist in annual swamp test of a standard cutter. 11. Row or paddle the boat while rigged for sailing as one of a two man crew. 12. Complete at least six hours sailing practise during at least three separate occasions since completing the Oarsman Personal Challenge. 13. Crew in at least one sailing race at a Zone or Regional Scout Regatta. 	

Personal Challenge Badges

Skiing - Cornerstone: Outdoors

REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none"> 1. Demonstrate the ability to ski under control by carrying out the following: <ul style="list-style-type: none"> • Descend with not more than two falls, a distance of 400 metres on a recognised downhill course of moderate difficulty. • Controlled side-stepping for a right and left traverse; kick turns to right and left on a slope of not less than 20 degrees. • Four continuous turns round sticks or flags. To ensure that the run is done at reasonable speed, flags or sticks may be placed to mark the starting point and a line that must be crossed before the turn is started. The candidate must come to a stop within 5 metres after crossing the line. • Climb a distance of 3 metres on a slope of not less than 20 degrees using the Herring-Bone technique. • Climb a distance of 2.5 metres on a slope of not less than 30 degrees using side stepping. 2. Demonstrate the correct adjustment and maintenance of release bindings. 3. Explain the reason for staying on marked or recognised runs and the local rules in the place where you are skiing. 4. Describe the clothing and equipment needed that is appropriate to the ski field used. 5. Explain what to do in event of heavy mist or accident occurring. 	

Sports - Cornerstone: Outdoors

REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none"> 1. Explain your understanding of the rules or laws of two sports such as Water Skiing, Golf, Tennis, Triathlon, Mountain Biking/BMX, Squash, Badminton. 2. Take an active part in two sports (at least 4 weeks for each sport) and show reasonable proficiency and evidence of a sporting approach to the game. 3. Discuss the performances of two international, national or local sportspersons. 4. Demonstrate some features of one of your chosen sports (e.g. training routines, skills required, care of equipment). 	

Personal Challenge Badges

Survival Camping - Cornerstone: Outdoors

REQUIREMENTS	SIGNATURE & DATE
<p>It is recommended that this Challenge be undertaken in the summer months of the year. The camping could be completed with your Patrol or other Scouts in the Troop. A minimum of four Scouts should co-operate to complete this challenge.</p> <ol style="list-style-type: none"> 1. Demonstrate your knowledge of and the symbols associated with weather maps by explaining such a map to the examiner. 2. Prepare an emergency camp kit to contain the following: <ul style="list-style-type: none"> • Fire lighting device (e.g.: waterproof matches) • Waterproof container with tea, Milo, coffee, sugar, salt, milk powder, energy chocolate and scroggin, dehydrated or freeze dried rations for two people for two days (the rations should be of a high nutritional value), tinfoil, a candle for wet fire lighting, small number of hooks of various sizes, a spool of 8 kg nylon line and a pocket knife. 3. Prepare for the examiner a list of suitable clothing, footwear and headgear for survival camping. The list should contain items of woollen clothing and a sheet of polythene suitable for waterproofing a shelter. 4. Show other items to the examiner that you would use for your camp: e.g. a warm sleeping bag and waterproof cover, a waterproof groundsheet, a first aid kit, minimum number of utensils, small reliable torch, toilet gear. 5. Carry out an overnight camp in a temporary shelter constructed by you, using natural materials available. The shelter should be constructed to be as waterproof and windproof as possible. Meals should be cooked using backwoods techniques. 	

Swimming - Cornerstone: Outdoors

REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none"> 1. Swim 200 metres (continuous swim) by any stroke. 2. Dressed in swimming gear plus t-shirt and long trousers (not jeans), swim 50 metres by each of two strokes chosen from front crawl, back crawl, breaststroke, sidestroke, butterfly, survival backstroke. Survival backstroke uses underwater arm strokes combined with a breaststroke kick on the back. The arms and legs work together, not alternately. The two strokes must be strokes other than the one chosen for the 200-metre swim. 3. Enter the water safely by: <ul style="list-style-type: none"> A plain header from the side of the pool. A compact jump from a height above 1 metre, an entry from a height above one metre, wearing a buoyancy vest or lifejacket (not a neck buoyancy vest as this can cause injury to the neck), which must be the correct size and properly fastened. 4. Surface dive to a depth of at least 1.6 metres and with both hands recover an object that must be returned to the poolside. 5. Carrying with you a flotation aid or some other improvised towing aid, swim 25 metres to a tired swimmer, but staying out of reach. Pass the aid to the victim, instruct them how to use it and tow them to safety. At no time is the swimmer to get within reach of the victim, except when safely at the edge of the pool or helping them out. 6. Explain the "buddy system." 7. Explain how to recognise a rip in the sea and what to do if caught in a rip or in a strong river current. 	

Personal Challenge Badges

Art and Craft Badge - Cornerstone: Personal Development

Select one topic e.g. Art or Sculpture

REQUIREMENTS	SIGNATURE & DATE
<p>Art</p> <ol style="list-style-type: none"> 1. Keep a visual diary for at least six weeks, write down ideas for art works, make sketches, draw cartoons, paste in quotes etc. 2. Visit an art gallery or artist studio and make notes about the visit in your visual diary. 3. Produce a portfolio containing at least six pictures in three different media i.e. watercolours, drawings, wood block printing, cartooning, painting in acrylics. 4. Research an artist that interests you. This can be a well-known artist or it could be someone who lives in your local area. Present your research in a visual diary. 	
<p>Sculpture</p> <ol style="list-style-type: none"> 1. Keep a visual diary for at least six weeks, write down ideas for sculptures, make sketches, draw cartoons, paste in quotes etc. 2. Make a sculpture out of clay, wood, metal or soft stone. Explain your design and how the medium determined your design. 3. Make a sculpture out of recycled materials. 4. Enter a 'Trash to Treasure' exhibition (this can be at school, with your local council, school, Scouts or art gallery). <p>Or</p> <p>Go to an art gallery showing a sculpture exhibition or visit a sculptor in their studio. Write about your visit in your visual diary.</p> <p>Or</p> <p>Research a sculptor on the internet or library and present your research in your visual diary.</p>	
<p>Basket weaving</p> <p>Choose either A or B</p> <p>A. Harakeke (flax) Weaving</p> <ol style="list-style-type: none"> 1. Explain how to harvest harakeke (flax) in the correct manner. 2. Explain how to prepare the harakeke for weaving. 3. Make a kono (square basket). 4. Make a kete. <p>Or</p> <p>B. Cane Basketry</p> <ol style="list-style-type: none"> 1. Explain how to prepare the materials for weaving. 2. Weave a basket out of cane or natural materials such as willow, watsonia leaves or pine needles. 3. Make another woven item. e.g. cane basket (of a different design from section 2), Maori kete, wire egg basket, a shopping bag out of plastic strapping, a seat for a chair or stool. 	

Continued Overleaf

Personal Challenge Badges

Art and Craft - Cornerstone: Personal Development

REQUIREMENTS	SIGNATURE & DATE
<p>Bookbinding</p> <ol style="list-style-type: none"> 1. Make at least three small books using Japanese bookbinding methods (concertina book, ledger book, etc) 2. Make a book using pamphlet stitch. 3) Make an 'altered book' – using an existing book, change the text or add pictures until a completely altered 'artist' book is produced. 4) Make one of the items below <ul style="list-style-type: none"> • An item using traditional bookbinding methods such as Coptic binding. Or • An artist book of your own design. Or • A Photo Album with covered boards and pages suitable for photographs. 	
<p>Carving</p> <ol style="list-style-type: none"> 1. Describe how to use, sharpen and maintain woodworking tools. 2. Explain the safety procedures necessary when using woodworking tools. 3. Carve a freestanding object. 4. Carve a flat design in a soft material (such as MDF) and paint or varnish it. 5. Visit a woodworking exhibition or studio and keep a notebook of ideas. <p>Or</p> <p>With adult help, try woodturning or some other form of woodcarving or sculpture.</p>	
<p>Pottery</p> <ol style="list-style-type: none"> 1. Make one of the following <ol style="list-style-type: none"> a. Make a flat tray or dish. b. Make a box using the slab method. c. Make an item using the coil method. d. Make two different tiles of your own design. e. Make two figurines of your own design. f. Make a vase or bowl on a potters wheel. 2. Help to glaze some of the items or explain why some pottery has to be glazed. 3. Help to fire a kiln or take part in a 'Raku Firing' or explain why pottery items need to be fired. 4. Visit a pottery exhibition or pottery workroom or studio. 	

Continued Overleaf

Personal Challenge Badges

Art and Craft - Cornerstone: Personal Development

REQUIREMENTS	SIGNATURE & DATE
<p>Printmaking</p> <p>1. Try three of the following:</p> <ul style="list-style-type: none">a. Produce a screen-print on fabric or paper.b. Produce a woodcut or lino print on paper.c. Make a collograph print on paper.d. Print on fabric using found objects.e. Make an etching on paper.f. Using carving tools, carve a print block out of a potato or an eraser, and print a design on fabric or paper. <p>2. Keep a visual diary for 4-6 weeks and use it to keep ideas for prints, pictures from magazines, quotes and sketches.</p> <p>3. Research a printmaker or a type of printmaking and keep your research in the visual diary.</p> <p>4. Visit an exhibition showing prints.</p> <p>Or</p> <p>Visit a commercial screen printer or print studio. Keep notes in the visual diary.</p> <p>Model making</p> <ul style="list-style-type: none">1. Make at least one model from a kit or make something of your own design.2. Paint one of the models or at least three soldiers or other figurines.3. Set up a scene and make an item of scenery or a house or tent or other item appropriate to it.	

Continued Overleaf

Personal Challenge Badges

Art and Craft - Cornerstone: Personal Development

REQUIREMENTS	SIGNATURE & DATE
<p>Craftsperson</p> <p>Make at least four of these things:</p> <ol style="list-style-type: none">1. Knit a scarf or make some other knitted item.2. Make some felt and then make an article out of it.3. Screen print a T-shirt.4. Make a drawstring bag or ditty bag using a sewing machine.5. Make a cushion or soft toy.6. Make an item of clothing using a sewing machine.7. Weave a scarf or other item.8. Dye fabric using natural dyes9. Tie dye a t-shirt (or fabric) using chemical dyes.10. Carve something out of wood.11. Make a wooden or metal item.12. Make an item out of clay (glaze or fire it if possible).13. Make a model from a kit.14. Make a model of your own design.15. Make a sculpture from clay or soft stone.16. Make a hand-made book.17. Make a hypertufa pot.18. Weave a basket.19. Make at least three stamped cards.20. Make a linocut or woodblock print.21. Make a model using recycled materials.22. Make a Scout woggle of your own design.	

Personal Challenge Badges

Book Reading - *Cornerstone: Personal Development*

REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none"> 1. Either - Show the examiner a list of at least 4 books you have read in the last 3 months. Explain why you read them, what you thought of them and answer some questions about their contents. This list should include both fiction and non-fiction, with not more than three books by any one author. 2. Demonstrate that you know how to use a library catalogue. 3. Explain what is meant by a reference book. 4. Explain what sort of information could you obtain from the following books, how they are arranged and how you would use cross-references: <ul style="list-style-type: none"> - NZ Encyclopaedia or Pears Cyclopaedia, - Who's Who in NZ, NZ Year Book, - Guinness Book of Records, - Encyclopaedia Britannica (or other set of encyclopaedia). 	

Chemistry - *Cornerstone: Personal Development*

REQUIREMENTS	SIGNATURE & DATE
<p>Attempt two out of the following three topics.</p> <p>Separation</p> <ul style="list-style-type: none"> • Demonstrate two separation techniques that could include decanting, filtering, evaporation, chromatography or distillation. • Investigate and record, either orally or in written form how and where table salt is manufactured in NZ. 	
<p>Rusting</p> <ul style="list-style-type: none"> • Carry out an experiment that demonstrates two methods that could be used to prevent iron from rusting. Methods could include surface coatings or galvanizing. • Investigate and record, either orally or in written form how and where iron is manufactured in New Zealand. 	
<p>Water purification</p> <ul style="list-style-type: none"> • Design and carry out an experiment that purifies water from a local source. This may be a stream, lake or sea. • Investigate and record, either orally or in written form, how water is purified for your local supply. 	

Personal Challenge Badges

Collector - Cornerstone: Personal Development

REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none">1. Make a collection over a period of at least six weeks of one type of object and arrange them neatly and systematically. The Scout will choose the nature or subject of the collection. Examples: stamps, matchbox tops, coins, shells, etc.2. The collection must be of a reasonable size, bearing in mind the nature of the collection. Quality is an important factor.3. Discuss with the examiner the reasons for the choice of object.4. Demonstrate a basic knowledge of the subject chosen.	

Computer - Cornerstone: Personal Development

REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none">1. Briefly describe the following computer types and how they differ: Notebook, Laptop, Desktop, Server, Mainframe and Palm Pilot.2. Explain the difference between software and hardware.3. Be able to set up a basic computer and printer configuration.4. Describe the main differences between any three of these printers: laser, dot matrix, inkjet, thermal.5. Demonstrate proficiency in using the internet and outline some of the dangers associated with it.6. Use a computer to produce a resume, story or greeting card (or something similar).	

Personal Challenge Badges

Debating - Cornerstone: Personal Development

REQUIREMENTS	SIGNATURE & DATE
<p>The examiner for this Personal Challenge should be present at the debates you participate in, or should be given a report on your performance by the adjudicator.</p> <ol style="list-style-type: none"> 1. Take part as a speaker and team member in at least 2 debates at school or as a member of a club. 2. Watch a debate and make notes on each speaker under the headings: introduction, the development of the topic, rebuttal and the conclusion. Discuss with the examiner. 3. Be able to prepare and deliver a speech at school or Scouts on a subject chosen by the examiner with only 30 minutes warning. 	

Drama / Playacting - Cornerstone: Personal Development

REQUIREMENTS	SIGNATURE & DATE
<p>Drama/Playacting</p> <p>Do one of the options outlined.</p> <p>Option 1</p> <ol style="list-style-type: none"> 1. See or read a full-length play. This can be from the stage, movies or T.V. Comment on the story, acting and presentation. 2. Write a one-act play. It must take five minutes or more to put it on. It must have a main character, a conflict situation and a climax. 3. Perform 3 mimes chosen by the examiner. 4. Have knowledge of the layout of a stage and common terms used to indicate stage directions and the tasks performed by backstage personnel. <p>Option 2</p> <ol style="list-style-type: none"> 1. Work as a member of a backstage team (e.g stage, wardrobe, lighting) that is preparing for a show. It is expected that this would require weekly work sessions for at least 6 weeks before the show. 	

Personal Challenge Badges

Entertaining - Cornerstone: Personal Development

REQUIREMENTS	SIGNATURE & DATE
<p>1. Either - Become proficient in any of the performing arts and give at least two public performances. e.g. singing, instrument playing, dramatic reading, dancing, conjuring or any other recognised category of entertainment.</p> <p>Or Take part in an operatic or dramatic production performed in public after the rehearsals. (Appearances in school productions, choirs, and orchestras qualify at the discretion of the examiner).</p> <p>Or - Produce a play or sketch to a public performance standard and perform to an audience of 20 or more.</p> <p>Be able to apply basic stage makeup to yourself or one other suitable person ready for a stage appearance under normal stage lighting.</p>	

Gang Show - Cornerstone: Personal Development

REQUIREMENTS	SIGNATURE & DATE
<p>To gain this challenge, first discuss the matter with the producer of the Gang Show.</p> <ol style="list-style-type: none"> 1. Attend and participate in the auditions for a Gang Show. 2. Participate in the rehearsals for the show and carry out all the tasks required of you by the producer and production team. 3. Take part in all the performances as required. 4. Find out about the history of the Gang Show. Report on this to the producer or nominee either by a brief oral or written report. <p>Further to the brief report as stated in four above, write a paragraph indicating the value, benefits or enjoyment you gained from participating in a Gang Show and present this report to your Patrol or Troop.</p>	

Personal Challenge Badges

Faith - Cornerstone: Personal Development

REQUIREMENTS	SIGNATURE & DATE
<p>To gain the Faith Awareness Personal Challenge Badge complete the following projects:</p> <ol style="list-style-type: none"> 1. Explain the Seventh Scout Law as it relates to you: "A Scout has self respect and is sincere". 2. Complete TWO of the following: <ul style="list-style-type: none"> • Name three adventurous happenings in a book relating to a Faith. • Draw a map showing where they happened and describe one of them in your own words. • Describe a duty specific to the Faith. • Explain the beginnings of the Faith. 3. Help organise and participate in the following: <ul style="list-style-type: none"> • Attend an activity relating to the Faith in keeping with the duty statement in the Scouts Promise to my God. • Undertake an expedition with a group of friends of the same age to a place of religious interest outside your own neighbourhood. <p>Give a verbal report on your return to your Troop.</p>	

Music - Cornerstone: Personal Development

REQUIREMENTS	SIGNATURE & DATE
<p><i>To gain this challenge, You must pass all the tests in ONE of the following alternatives A. B. C, D or E.</i></p> <p>A. Music - Singing</p> <ol style="list-style-type: none"> 1. Sing as a member of a choir or group or take singing lessons for at least 6 weeks. 2. Sing at least one song solo at a concert, Scouts or in front of at least 20 people. 3. Know what is meant by a sonata, concerto and oratorio, giving an example of each. 4. Discuss two recent musical performances you have seen or heard on radio, television or at a concert. <p>B. Music – Play an instrument</p> <ol style="list-style-type: none"> 1. Play two solos, one of your own choice to an audience of at least 20 people. 2. Either - Perform a concert item with others in which you must play the instrument used in one above, Or - Play another solo of different type or speed than those played in one above. A certificate that you are a regular member of an orchestra can be accepted. 3. Explain what is meant by a sonata, concerto and oratorio and give an example of each. <p>Discuss with the examiner recent performances you have heard at concerts, or on radio or television.</p>	

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Personal Challenge Badges

Music - Cornerstone: Personal Development, *continued*

REQUIREMENTS	SIGNATURE & DATE
<p>C. Music – Folk Songs</p> <ol style="list-style-type: none"> 1. Either - Sing unaccompanied two different types of folk song. e.g.: spiritual and sea shanty, mountain song and lullaby. You may add your own rhythm such as hand clapping or tambourine. 2. Or - Sing with your own accompaniment (banjo, guitar, mandolin, etc.) two different types of folk songs. 3. Or - Play two different types of folk song as music on a banjo, guitar, mandolin, concertina, harmonica or other folk instrument. 4. Describe some basic principles and fundamentals of music, such as tuning chords and bass notes. Folk music is at its best when simple and uncomplicated. 5. Discuss with the examiner some of the types of folk music and performers you enjoy. You must be prepared to give reasons for your choice. <p>D. Music – Pipes</p> <ol style="list-style-type: none"> 1. Show that you can tune the pipes properly. 2. Play two bagpipe marches in 2/4 time. 3. Play two bagpipe marches in 6/8 time. 4. Play a slow march or slow air. 5. Play a march, strathspey and reel. The march may be one of those played above. <p>All tunes to be of your own choice. When Northumbrian or Irish pipes are used. Alternatives may be used at the examiners discretion.</p> <p>E. Music – Drums and Brass</p> <ol style="list-style-type: none"> 1. Be a member of a band, either at school or other organisation for at least 6 weeks. 2. Demonstrate your proficiency in one of the following band instruments: <p>Side Drums:</p> <ol style="list-style-type: none"> 1. Perform routine maintenance of your instrument. 2. March well (not playing) with drum slung and sticks carried correctly. 3. Beat in 2/4 time and 6/8 time. 4. Play off-beats in 2/4, 6/8 and 3/4 times. 5. Play a good class roll in 3-pace roll. 5-pace roll, and 7- pace roll. <p>Take part satisfactorily in six different marches.</p>	

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Personal Challenge Badges

Music - Cornerstone: Personal Development, *continued*

REQUIREMENTS, <i>continued</i>	SIGNATURE & DATE
<p>Tenor Drum:</p> <ol style="list-style-type: none"> 1. Perform routine maintenance of your instrument. 2. March well (not playing) with drum slung and sticks carried correctly. 3. Beat in 2/4 time and 6/8 time. 4. Play offbeats in 2/4, 6/8 and 3/4 times. 5. Play a good class roll in 3-pace roll, 5-pace roll, and 7-pace roll. 6. Show a good stick drill when beating at the halt and on the march. 7. March over a distance, not less than 46m, beating a strict 116 paces to the minute. 8. March over a distance not less than 46m, beating in slow time 65 paces to the minute. <p>Bass Drum:</p> <ol style="list-style-type: none"> 1. Perform routine maintenance of your instrument. 2. March correctly(not playing) with drum slung and sticks carried correctly. 3. Show good stick drill when beating at the halt and on the march with simple flourishing. 4. March over a distance not less than 46m, beating a strict 116 paces to the minute. 5. March over a distance, not less than 46m, beating in slow time 65 paces to the minute. <p>Bugle, Trumpet or similar instrument:</p> <ol style="list-style-type: none"> 1. Perform routine maintenance of your instrument. 2. March well (not playing) carrying bugle or trumpet in the right hand with the bell on the front hip and swinging the left arm. <p>Play "fall in", "lights out", "veille", general salute and "sunset", "retreat" or "cookhouse".</p>	

Photography - Cornerstone: Personal Development

REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none"> 1. Have regular use of a camera for at least 6 weeks. 2. Produce 12 photographs or digital images taken by you. These should cover at least four different types of subjects, e.g.: landscape, animals, portraits, action shots. 3. Discuss with the examiner: <ul style="list-style-type: none"> • The quality of the photography regarding subject, camera settings, light, balance. • The main features of a camera (i.e.: shutter speeds, apertures and lens focusing) and how they are used to ensure technically good results. • The various types of camera now available. • The use of accessories such as tripods, exposure meters, filters and close-up lenses. 	

Personal Challenge Badges

Photography - Cornerstone: Personal Development, *continued*

REQUIREMENTS, <i>Continued</i>	SIGNATURE & DATE
<ol style="list-style-type: none"> 4. Describe the processes involved in developing and printing a black and white or colour film. Mention briefly the process involved in producing enlarged prints. If using digital photos, demonstrate how to edit them. 5. Diagnose faults in exposure and processing in examples supplied by the examiner. 6. Demonstrate knowledge of taking photographs by artificial light and flash or photoflood by arranging equipment provided by yourself or the examiner for a portrait, still life or similar subject. 	

Presenters - Cornerstone: Personal Development

REQUIREMENTS	SIGNATURE & DATE
<ol style="list-style-type: none"> 1. Create a presentation using visual aids such as a computer based tool (PowerPoint), a similar programme, or a Flip Chart to tell the Patrol, Troop or a Committee Meeting about a Patrol or Troop camp recently attended. 2. Design the presentation to show younger Scouts what camping is about with the aim of encouraging them to try it. 3. Use a camera to take six or more photos of the camp so that these can be used in the slide show or can be printed for inserting in folder or album. 4. Create at least 10 slides / Flip Chart pages to cover the following topics: <ul style="list-style-type: none"> • Where the camp was located. • When it was held. • Who attended. • The Activity Intention Sheet. • The planned activity programme. • Show photos of the activities. • Display the planned menu. • Show a photo of a meal. • Show a photo of your Patrol. • Describe what you enjoyed most about the camp. 5. Arrange a time with your Leader for making the presentation, then prepare your speech and visual aids. <p>Note:</p> <p>Most Zone Teams have a Data Projector you may be able to borrow.</p>	

Personal Challenge Badges

Radio / Electronics - Cornerstone: Personal Development

REQUIREMENTS	SIGNATURE & DATE
<p>1. Demonstrate at least two electronics projects that you have completed using printed circuit boards, plus one of which uses integrated circuits. Kitsets may be used.</p> <p>For the radio option, one of the projects must be a simple radio - not a crystal set. A good standard of construction is required.</p> <p>2. Demonstrate how each of the items operates.</p> <p>3. Be able to use a multimeter to check voltages and currents within one of the projects in one above. This requires some understanding of Ohm's Law.</p> <p>4. Explain what the schematic symbols used in radio and electronic circuit diagrams mean.</p> <p>5. Explain how diodes and transistors operate.</p> <p>6. Describe the operation of one of the ICs used in one above.</p> <p>7. Radio: Explain the theory of tuned radio circuits.</p> <p>8. Explain the operation of an AM or FM radio receiver using a block diagram.</p> <p>9. Electronics: Explain the difference between analogue and digital waveforms.</p> <p>10. Explain the operation of a piece of digital equipment such as a frequency counter using a block diagram.</p> <p>11. Describe some domestic and industrial uses of radio or electronic equipment and explain the principles on which one such piece of equipment works.</p>	

Writing - Cornerstone: Personal Development

REQUIREMENTS	SIGNATURE & DATE
<p>1. Write a poem of New Zealand character. It must be not less than five verses, each verse not less than four lines. (This could be about an aspect of wildlife, flora, historical event or place).</p> <p>2. Write a short story of not less than 1000 words for children of age six to ten. Read the story to them. (It could be the Kea Scout Club or Club Scout Pack within the Group).</p> <p>3. Write an original story of not less than 1200 words that explains or illustrates an aspect of the Scout Law in action. Read it to your Patrol or Troop.</p>	