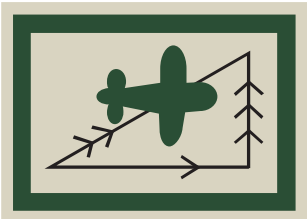


air planner

Name: _____



Requirements	Passed
1. Explain what is meant by latitude and longitude as well as the meaning of: a) Lesser great circles. b) Lesser circles. c) Meridians, and d) Rhumbline.	
2. Explain what is meant by: a) Magnetic Dip. b) Variation, and c) Deviation.	
3. Know the difference between, and the derivation of, magnetic heading and track.	
4. Demonstrate a knowledge of conventional symbols used on an aeronautical chart and show how to do simple flight calculations.	
5. Show a knowledge of the instruments used by an air navigator and computer problems (by any means) of time, distance, speed, and fuel consumed per hour.	
6. Explain the semi-circle rule and the importance of keeping correcting flight levels.	
7. Demonstrate how to complete the Standard ATC Flight Plan Form.	
8. Explain how cloud is formed and: a) Recognise and name six different cloud types and explain their significance for aviators. b) Know the types of cloud considered hazardous to aviation. c) Explain the physics of ice formation.	
9. Interpret a weather map, with particular reference to the high pressure and low-pressure areas and cold and warm fronts.	
10. Explain the conditions necessary for the formation of thunderstorms and know the dangers and procedures to be followed when thunderstorms are present when flying.	

03/94
08/20v1

Badge Awarded



Name: _____



Requirements					Passed	
1. Demonstrate the correct methods of walking and running, and of starting a race.						
2. Demonstrate "Scouts Pace" (50 paces walk/50 paces run) over a distance of 1 km without stopping.						
3. Show a basic knowledge of the rules for the following: Sprint race, Middle distance and long distance, Relay races, Hurdles, Discus event or Shot-put.						
4. Discuss correct diet and methods of training for athletes.						
5. Represent your club, Troop, or school at an athletic meeting.						
6. Gain the indicated times or distances in five of the following groups of tests according to your age. At least one must be at the "Merit" level.						
AGE:	11		12		13	
Group 1:	Male	Female	Male	Female	Male	Female
100 metre sprint Merit	15,25 sec	16,16 sec	15,02 sec	15,96 sec	14,42 sec	15,35 sec
100 metre sprint Standard	16,56 sec	17,55 sec	16,10 sec	17,10 sec	15,66 sec	16,67 sec
Group 2:	Male	Female	Male	Female	Male	Female
150 metre sprint Merit	23,02 sec	24,12 sec	22,33 sec	23,70 sec	21,73 sec	23,10 sec
150 metre sprint Standard	25,10 sec	26,49 sec	24,25 sec	25,74 sec	23,60 sec	25,08 sec
Group 3:	Male	Female	Male	Female	Male	Female
800 metres Merit	2m 46,60 sec	2m 57,10 sec	2m 41,90 sec	2m 52,47 sec	2m 36,20 sec	2m 47,63 sec
800 metres Standard	2m 52,60 sec	3m 11,02 sec	2m 47,75 sec	3m 6,37 sec	2m 43,20 sec	3m 03,03 sec
1200 metres Merit	4m 26,56 sec	4m 43,20 sec	4m 19,05 sec	4m 35,96 sec	4m 12,05 sec	4m 28,93 sec
1200 metres Standard	4m 49,48 sec	5m 07,55 sec	4m 41,32 sec	4m 59,67 sec	4m 33,71 sec	4m 52,04 sec
Group 4:	Male	Female	Male	Female	Male	Female
Running high jump Merit	1,09 m	1,03 m	1,18 m	1,09 m	1.26 m	1,15 m
Running high jump Standard	0,93 m	0,87 m	1,01 m	0,93 m	1,08 m	0,98 m
Standing long jump Merit	3,70 m	3.03 m	3,96 m	3,25 m	4,27 m	3,50 m
Standing long jump Standard	3,17 m	2.60 m	3,40 m	2,79 m	3,66 m	3,00 m
Group 5:	Male	Female	Male	Female	Male	Female
Shot-put Merit	9,8m [2kg]	6,64m [2kg]	9,00m [3kg]	7,02m [3kg]	9,89m [3kg]	7,90m [3kg]
Shot-put Standard	7,47m [2kg]	5.06m [2kg]	6,85m [3kg]	5,35m [3kg]	7,54m [3kg]	6,02m [3kg]
Discus Merit	25,70m [5kg]	18,10m [5kg]	27,90m [5kg]	20,30m [5kg]	27,98m [1kg]	22,50m [75kg]
Discus Standard	18,00m [5kg]	13,20m [5kg]	21,30m [75g]	15,50m [5kg]	21,31m [1kg]	17,20m [75kg]
Javelin Merit	30,80m [500g]	20,50m [500g]	33,40m [500g]	23,10m [500g]	34,20m [500g]	25,80m [500g]
Javelin Standard	23,30m [500g]	15.70m [500g]	25.40m [500g]	17,60m [500g]	26,00m [500g]	19,60m [500g]
Group 6:	Male	Female	Male	Female	Male	Female
Hurdles (68 cm)	13,55 sec	14,71 sec	14,00 sec	14,76 sec	14,53 sec	14,41 sec
Hurdles (68 cm) Std	14,71 sec	15,98 sec	15,20 sec	16,03 sec	15,77 sec	15,65 sec
Group 7:	Male	Female	Male	Female	Male	Female
Road walk (1,5 km) Merit	9 min 30 sec	10 min 03 sec	9 min 13 sec	9 min 48 sec	8 min 58sec	9 min 33 sec
Road walk (1,5 km) Standard	10 min 20 sec	10 min 55 sec	10 min 10 sec	10 min 38sec	9 min 45sec	10 min 22sec
Group 8: Male & Female 11, 12 or 13 years of age						
Cross country run (3 km) Standard points only. No time set. Candidate not to stop running. NB The cross country must take place over open country and not along streets.						

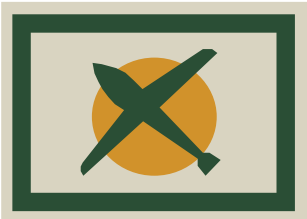
03/05
08/20v1

Badge Awarded



civication skills

Name: _____



Requirements	Passed
1. Discuss the proper conduct to adopt and the ordinary safety precautions to follow, when on an airfield and when near an aircraft.	
2. Explain how to be of practical help to a pilot by indicating wind direction by day and by night and by keeping the landing strip clear.	
3. Make up a scrapbook containing at least fifty pictures of different aircraft collected by yourself with brief synopsis of each, 30 pictures may be from the internet but at least 20 pictures must be your own.	
4. Point out the principle parts of an aircraft and the control surfaces. Explain how they function.	
5. Explain the advantages and disadvantages of taking off and landing into and out of the wind.	
6. Explain the aerodynamics of stalling.	

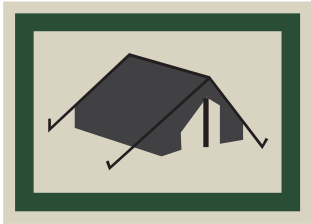
03/94
08/20v1

Badge Awarded



camping

Name: _____



Requirements	Passed
1. Make a layout plan of a typical Patrol campsite. Show the position of the camp kitchen, the fireplace, dining table with flysheet, dining table and flysheet, latrine, and tentage for at least six Scouts. Explain how and why weather, season, wind, fuel, and water supply are taken into consideration when choosing a site. Explain what care to take with regard to safe water, sanitary facilities, and emergencies.	
2. Explain how a Patrol's typical activities are organised in setting up camp (e.g. pitching tents, digging latrines, making the kitchen etc). List the duties you would allocate to each member of the Patrol during camp.	
3. Prepare a checklist detailing: a) The personal kit that you will need for a Troop camp lasting a three days two nights. b) The personal kit that you will need for a weekend camp in summer and in winter. c) All the camping equipment needed for a weekend Patrol camp. Be able to justify your choice.	
4. Demonstrate how to correctly pack your personal kit in a rucksack or kitbag for an overnight Patrol camp.	
5. Prepare a camp menu for an overnight Patrol camp of at least six Scouts covering two breakfasts, two lunches, and two suppers (some tinned food may be used). Make a food list for the Patrol. List the foods required for your menu that you can get from your local store with their prices.	
6. At an overnight standing Patrol camp: a) Assist in the preparation of the camp programme. b) Lay out the campsite according to the principles in (1) above. c) With another Scout, pitch a Patrol tent, or build a shelter, taking into consideration the weather and terrain. Strike and pack the tent or dismantle the shelter. Know how to take care of tents, including the correct storage of tents between camps. d) While camping, cook all meals for yourself and your patrol for twenty-four hours to the satisfaction of the examiner. Raw ingredients must be used in cooking the meals. (For this requirement, it is acceptable for the candidate to take charge of the kitchen, in cooking the meals for the whole Patrol, with the help of other Scouts, but under their overall supervision.) e) Make a comfortable bed on the ground and sleep in it overnight. Use a groundsheet, padding of clothes, rucksack, grass, straw, hip hole etc. f) While in camp show the right way to: i. Store your food and gear against heat, animals, insects, and wet in bad weather. ii. Dispose of refuse and maintain correct hygiene standards. iii. Take precautions against the spread of fires. g) Make three camp gadgets in camp and use them.	
7. Have camped under canvas or in the open as a Scout for a total of not less than twelve nights (not necessarily continuous).	

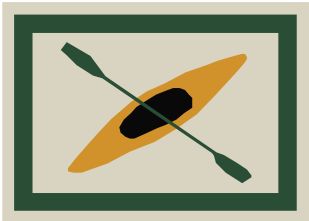
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08/20v1

Badge Awarded



canoeing

Name: _____



Requirements	Passed
1. Pass or have passed the requirements of the Swimming Scoutcraft Badge.	
2. Show a knowledge of canoeing as a sport, and its value for healthy exercise.	
3. Show a knowledge of canoeing accessories, such as buoyancy, paddles, clothing items, rudders, seats, splash covers, etc. Discuss the advantages of the different types of accessories, and how to select these.	
4. Discuss the various types of canoes available, the materials used in their construction, and how these apply to various forms of canoeing. Name the main parts of a canoe.	
5. Demonstrate sound safety measures when canoeing, including the correct use of lifejackets, buoyancy, pre-check items, rules of the road and the buddy system.	
DO EITHER POINT 6 OR POINT 7	
6. Take charge of a Canadian canoe, with a bow paddler, in which you perform the following manoeuvres, using single paddles: a) Handle the canoe into water and make fast. b) Board the canoe from the bank or in shallow water. c) Demonstrate correct paddling techniques, including posture and paddling grip, forward stroke, J-stroke, backwater stroke emergency stop, draw strokes. d) Paddle 100 metres on a straight course. e) Paddle 100 metres on a slalom course, around 8 to 10 buoys to demonstrate the above strokes. f) Correctly disembark onto the bank. g) Dressed in normal canoeing gear, capsize in deep water at least 50 metres from the bank. Right the canoe, climb into it and paddle the submerged canoe back to the bank. Empty the water without assistance.	
7. Perform the following manoeuvres in a single-seater kayak, using double-bladed feathered paddles a) Handle the kayak into the water and make fast. b) Board the kayak from the bank or in shallow water. c) Demonstrate correct paddling techniques, including posture and paddling grip, forward stroke, emergency stop, draw strokes. d) Paddle 100 metres on a straight course. e) Paddle 100 metres on a slalom course, around 8 to 10 buoys to demonstrate the above strokes. f) Correctly disembark onto the bank. g) Dressed in normal canoeing gear, capsize in deep water at least 50 metres from the bank. Perform a deep-water rescue with assistance from your buddy and paddle back to the bank	

03/94
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Badge Awarded



charts

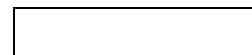
Name: _____



Requirements	Passed
1. Describe at least two of the different types of compasses that are used at sea and explain how a magnetic compass works. Know some of the problems that can occur in using a compass with particular focus on use aboard a vessel, and how to overcome these.	
2. Explain the difference between <ul style="list-style-type: none"> a) True North b) Magnetic North c) Grid North and demonstrate the ability to find each of these, both on a chart and at sea	
3. <ul style="list-style-type: none"> a) Explain the cause and effect of variation. b) Know the relationship between magnetic bearings and true bearings. c) Show where to locate the variation adjustment on a chart and know how to calculate the present variation. 	
4. Demonstrate a working knowledge of bearings and reciprocal bearings by being able to carry out an exercise at while on a boat to determine your position on a chart by the cross bearings' method.	
5. Carry out the following: <ul style="list-style-type: none"> a) Explain what a chart is. b) Know the differences between a chart and a map. c) Demonstrate a knowledge of scale. d) Explain why we only measure distance on the latitude scale on a chart. e) Be able to read depth contours on a chart, and explain how contours indicate slopes, gradients and major geographic land and seabed features. f) What are soundings and how are they represented on a chart. g) Using a pair of dividers, correctly measure a distance between 2 points on a chart and determine the actual distance that this represents in nautical miles. h) Demonstrate knowledge of some common charting symbols (IALA region B). i) Explain what is meant by the light characteristics shown on a chart e.g. Fl.G.2s5M. 	
6. On a suitable chart, use a parallel rule to plot a course for a hypothetical voyage of approximately 20 nautical miles with at least 5-way points. Provide your watch keeper with a list of magnetic courses to steer, co-ordinates of the waypoints, and time to steam between each waypoint at a speed of 10 knots over the ground. (SoG).	

10/19
08/20v1

Badge Awarded



climbing

Name: _____



Requirements	Passed
1. Know how to put on a harness, set up a belay and the calls used in climbing.	
2. Have experience of at least one session (two hours) of single pitch climbing on a manmade climbing wall, either indoors or outdoors.	
3. Be able to use information given in a climbing guidebook. Explain the grading systems for climbs.	
4. Select at least five separate climbs, locate the starts on the ground and climb them (the standard should be at least Very Difficult).	
5. Be able to abseil down a face of not less than 15 metres also using a safety rope.	

03/11
08/20v1

Badge Awarded



computer pilot

Name: _____



Note: The badge requirements can be completed on any suitable simulator, i.e. Flight simulator 2020, Infinite Flight 2011 or Flight School simulator 2017.

Requirements	Passed
1. Discuss the various instruments on an aircraft instrument panel and explain their function.	
2. Carry out start procedure and execute "Take-offs", fly a circuit and land. Use to be made of flaps, retractable undercarriage etc. if installed on the simulator.	
3. Take-off and carry out 2 cross country flights and land at either the same or a different airfield.	
4. Take-off and carry out the following manoeuvres: a) A controlled turn to the left and right. b) Climb to a designated altitude and descend to another designated altitude. c) Fly a loop, roll and a stall turn.	

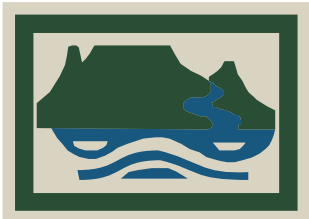
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Badge Awarded



conservation

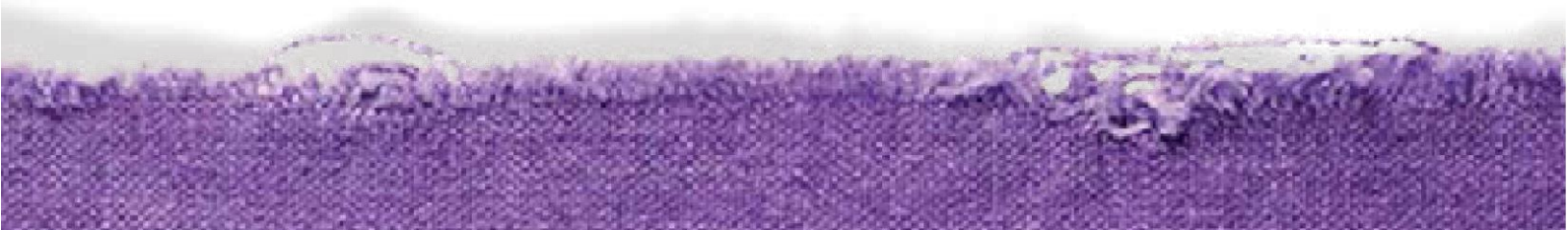
Name: _____



Requirements	Passed
1. Understand the Outdoor Code and discuss the importance of the different points of it. What is meant by the term "Sustainable Planet" and discuss how you can contribute to this ideal.	
2. Make a sketch illustrating the complete water cycle using and describing the following terms: precipitation, run-off, groundwater, water table, evaporation, transpiration.	
3. Show you are familiar with the main causes of the following types of pollution and how they can be controlled: a) Water. b) Air (including noise) c) Soil. d) Waste.	
4. Know the dangers of soil erosion by wind and water. Demonstrate practically how soil erosion can be combatted.	
5. Know the threats posed by alien vegetation and the measures being taken to eradicate these. Identify the main invader plants in your area.	
6. Do ONE of the following: a) Help establish and maintain a sanctuary (demonstrating an interest in conservation and a wish to conserve nature). b) Make a 100-1000m nature trail which comprises signage for plants and animals which occur in your area. Take your Patrol or Troop on the trail. c) Establish a bird cafeteria by planting an area with trees and shrubs which bear flowers or fruit attractive to the birds in your area. d) Make a pond or bird bath and identify 3 species of birds that visit it. e) Build a brush pile for wildlife. f) Make and maintain an aquarium for one month g) Build up a collection of 5 plaster casts (made by yourself) of animal and bird tracks. h) Upload 10 photographs/observations of wild animals or naturally occurring plants to www.inaturalist.org .	
7. Plan and carry out yourself or with others a conservation project covering ONE of the following: a) Clean water. b) Clean air. c) Wildlife. d) Erosion. e) Planting trees. f) Cleaning up a roadside, picnic ground, vacant plot, stream, or beach. g) Anti-litter campaign with your Patrol or Troop. h) Alien plant clearing. i) Any other conservation project agreed to by your examiner.	
8. Make a solar cooker or haybox and cook something for your patrol.	

03/94
08/20v1

Badge Awarded



dance

Name: _____



Note: This should be evaluated by a recognised dance instructor.

Requirements	Passed
1. Perform one dance with character, e.g. a national dance of a country, cultural dance or perform a dance using a recognised dance form.	
2. Perform a sequence of movements showing the type of dance you know best, e.g. Ballet, Modern, Spanish, Tap, Tribal, Ballroom or Latin American.	
3. Demonstrate that you are able to perform an improvised dance to music chosen by the evaluator.	

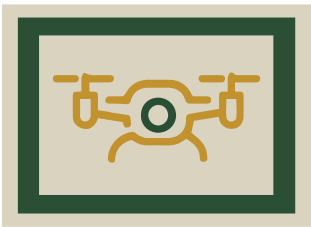
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Badge Awarded



drone operator

Name: _____



Note:

Requirements	Passed
1. Be able to differentiate between the different types of Remotely Piloted Aircraft	
2. Show a basic understanding of how two of the following Remotely Piloted Aircraft fly: a) Multi rotor b) Fixed wing c) Helicopter	
3. Have a discussion with the examiner about what Remotely Piloted Aircraft can be used for	
4. Explain to the examiner the laws associated with flying a Remotely Piloted Aircraft as a hobbyist.	
5. Show your understanding of the Remotely Piloted Aircraft laws in the form of a presentation to your patrol.	
6. Explain to the examiner what weather is deemed safe to fly in.	
7. Prepare the following: a) A pre-flight safety checklist b) An equipment checklist c) An onsite safety checklist d) A battery logbook	

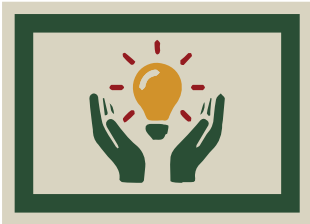
08/20
08/20v1

Badge Awarded



entrepreneurship

Name: _____



Requirements	Passed
1. Explain what a business is and how it operates to makes a profit.	
2. Explain the difference between businesses that operate to make a profit and those that operate for public good. (Private Company (Pty) Ltd.'s and Not for profit Company NPC), give examples of both. (Scout SA or Coke a Cola)	
3. Explain what costs a business has and how it earns money (income).	
4. Explain the difference between loss, break even and profit in a business.	
5. Choose a product that you could make to sell to your friends. For that product: a) Research and Development: Write out a list of what items or equipment you need to make the product. b) Production Costs: Write out the cost of the materials and equipment you to make the product. c) Budgeting: Work out if you just make one of the products, what would you have to charge for the product to cover the cost (breakeven). d) Selling Price: Decide on a price that you would be prepared to pay for the product you have chosen. e) Budgeting: Work out how many of the products you would have to make to be able to break even at that selling price. f) Market research: Find out how many of your friends would be interested in buying one at that price	

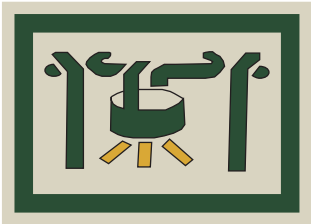
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Badge Awarded



fires & cooking

Name: _____



Requirements	Passed
1. Carry out an experiment to determine the burning properties of at least three different types of wood for cooking fires and discuss their characteristics and the purposes for which each should be used.	
2. Demonstrate three different types of cooking fires in use and explain the advantages of each. Know the dangers of veld/bush fires and demonstrate how to take safety precautions when lighting, using and extinguishing fires in the open. Demonstrate methods of extinguishing flames.	
3. Make a camp fireplace in the open that is suited to the natural surroundings or make a conservation stove. Make a fire in it, and cook the following for at least four people: a) Porridge. b) Hunter's Stew. OR Make a conservation stove and cook the following for at least four people: a) Porridge. b) Hunter's Stew.	
4. Discuss the importance of creating a balanced menu, including a vegetarian/vegan menu, and the health benefits of a vegetarian/vegan menu. a) Draw up a menu for a three-course breakfast, lunch, and supper. b) Draw up the food quantities and cost these at a local store.	
5. Demonstrate the following: a) The setting of a table in camp or indoors for a lunch or a supper. b) How to prevent accidents in the kitchen at camp and indoors. c) The use of weights and measures in the kitchen.	
6. Make yourself a damper or a twist.	
7. Using the principles of the three R's (Reduce, Reuse, Recycle), properly dispose of rubbish, clean utensils, and leave a safe, clean cooking area and fireplace.	

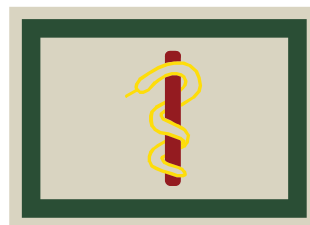
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Badge Awarded



first aid

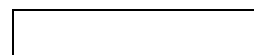
Name: _____



Requirements	Passed
1. Know how to use reverse charges on a public phone OR know to use a cell phone and land line and also know the emergency numbers on the various networks. a) ICE – Demonstrate how to load ICE contact information on your mobile phone. b) Explain what information needs to be handed over to the call operator.	
2. Explain the principles and limitations of yourself as the first aider.	
3. Describe Emergency Scene Management when dealing with sick and injured patients, including your own safety.	
4. Explain the procedure to hand over the scene to an adult qualified first aider or trained professional.	
5. Discuss with the examiner the signs and symptoms of the following using a sample history: a) Shock. b) Hypo and hyperglycaemia (low and high blood sugar). c) Asthma. d) Seizures. e) Heart disease & stroke.	
6. Identify the 3 types of bleeding. Demonstrate how to: a) Stop severe bleeding. b) How to deal with Sprains and fractures.	
7. Describe the treatment of superficial, partial, and full thickness burns.	
8. a) Have a good practical knowledge of CPR and be able to demonstrate the correct procedures (using currently accepted lay person compression and ventilation rates as well as Hands only CPR). b) Assist someone who is choking. c) Demonstrate how to put an unconscious person into the recovery position.	
9. Explain how to transport an injured person and demonstrate two methods of doing so.	
10. Demonstrate how you would deal with a spinal injury. Explain signs and symptoms of concussion.	
11. Assemble your own personal first aid kit and know how to use everything in it.	
12. As part of a team of at least three other scouts and using your personal first aid kit, take part in two simulated incidents set by the examiner. The incidents should also revise first aid at Traveller and Discoverer levels.	

03/94
08/20v1

Badge Awarded



Name: _____



Requirements						Passed
1. After a ten-minute warm up, complete the following endurance and stamina exercises in the given time for your age.						
AGE	11		12		13	
	Male	Female	Male	Female	Male	Female
Merit	5 m 20 s	5 m 25 s	5 m 10 s	5 m 15 s	5 m 00 s	5 m 05 s
Standard	6 m 00 s	6 m 05 s	5 m 50 s	5 m 55 s	5 m 40 s	5 m 45 s
a) 12 Front lying, trunk raises (hypers) - Over a bench or other support. Hand position as for curlups. Stop at horizontal position.						
b) 20 Curlups (sit-ups) - Partner grasps ankles, legs must be bent to 90°, fingers locked behind neck, chin off chest, elbows must touch knees, head must return to the floor each time. Incorrect curlup does not count.						
c) 22 Pushups - Chest must touch clenched fist of partner. Incorrect pushup does not count.						
d) 20 Biceps curls - Standing in half squat position lifting 10% of body mass (sandbags).						
e) 20 Vertical jumps - to reach a point 25 cm above arm's length.						
f) 20 Lateral arm raises - Standing in half squat position lifting 10% of body mass (sandbags). Lift elbows laterally to 90°.						
g) 5 square shuttle runs - Mark out a square of 5 metres along each side. Each completed circuit counts as one.						
h) 5 Shuttle runs of 25 metres - Place two beacons 25 m apart. Each turn around a beacon counts as one.						
2. Discuss the importance of individual sports (tennis, squash, golf etc) in keeping yourself physically fit in later life. Play at least one individual sport.						
3. Participate in an outdoor cross-country race of at least 3 km in length.						
4. Achieve the given standard for your age group in the following activities:						
AGE	11		12		13	
	Male	Female	Male	Female	Male	Female
50 METRE SPRINT (time in seconds to nearest tenth of a second)						
Merit	8,69 s	9,21 s	8,56 s	9,10 s	8,22 s	8,75 s
Standard	9,44 s	10,0 s	9,17 s	9,75 s	8.93 s	9,51 s
800 METRE RUNS (time in minutes and seconds)						
Merit	2m47s	2m57s	2m42s	2m53s	2m31s	2m48s
Standard	2m53s	3m11s	2m48s	3m06s	2m44s	3m02s

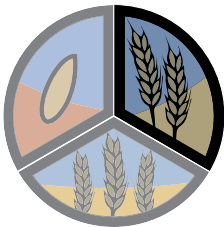
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Badge Awarded



food for life - silver

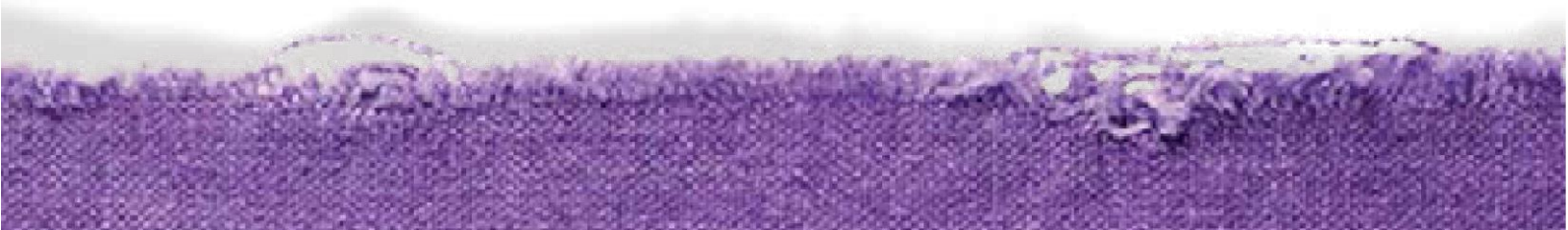
Name: _____



Requirements	Passed
1. Completion of the Food for Life - Starter Scoutcraft Badge is a prerequisite for this badge.	
2. Explain how crop rotation can ensure proper plant nourishment, minimise certain insect damage and provide sufficient vegetable all year round. Put crop rotation into practice by planting two different vegetables for two different seasons (these vegetables should be different from Food for Life – Starter or number 1 above).	
3. Make and maintain a compost heap and use it for your second crop.	
4. Explain how to care for your crops.	
5. Name three insects or diseases that may attack your vegetables and explain how to get rid of them by using homemade/natural remedies.	
6. Explain a method of collecting rainwater.	
7. Explain permaculture.	
8. Explain a balanced diet.	
9. Demonstrate the correct methods of cleaning and cooking vegetables.	

03/10
08/20v1

Badge Awarded



food for life - starter

Name: _____



Note: Container gardening is also acceptable

Requirements	Passed
1. If the Scout held the Food for Life Starter badge as Cub, he/she needs to do the following: a) Explain the contents of the badge to the examiner; and b) Demonstrate one of the requirements. OR Explain what the best place and size for a food garden are.	
2. Obtain or make garden tools and explain how to use and look after them (rake, spade and watering can).	
3. Prepare the soil, including mulching.	
4. Sow seeds or plant seedlings.	
5. Explain how to use water sparingly.	
6. Harvest one vegetable or fruit.	
7. Explain why vegetables and fruit should be eaten (nutrition).	

03/08
08/20v1

Badge Awarded



geocaching

Name: _____



Requirements	Passed
1. With your parent's permission, go to www.geocaching.com and register your own "Geocaching handle" on the site.	
2. Explain the following terms used in geocaching - waypoint, log, cache, accuracy, difficulty and terrain ratings, attributes, trackable. Choose any additional five terms or acronyms used in the game and explain their meaning.	
3. Show that you know about the Global Positioning System (GPS) by explaining: a) How it works b) The ownership and control of the system c) How its benefits society d) What factors affect its accuracy?	
4. Discuss and explain the following. a) Why you should never bury a cache. b) How to use proper geocaching etiquette when hiding or seeking a cache, and how to properly hide, post, and maintain a geocache. c) How to apply the principles of "Leave No Trace" when geocaching.	
5. Explain the most likely hazards you may encounter while participating in geocaching activities and what you should do to anticipate, prevent, mitigate, and respond to these hazards. Discuss how to properly plan for a geocaching activity, including using the buddy system, sharing your plan with others, and considering the weather, route, and proper attire.	
6. Accompanied by either your Patrol or by an adult, find and log at least 15 geocaches over a period of no more than 3 months. Of the cache finds, there should be at least 1 Multi-Cache and 1 Mystery or Puzzle Cache.	

08/20
08/20v1

Badge Awarded



heritage

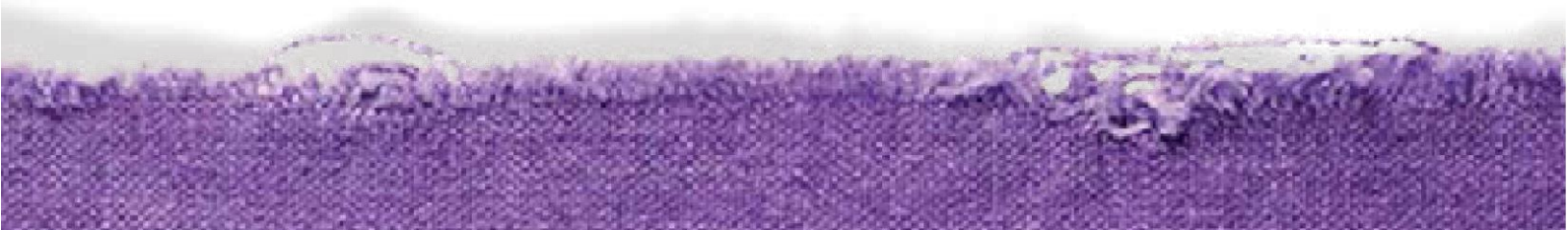
Name: _____



Requirements	Passed
1. Explain to the examiner what UNESCO defines as heritage, give examples of different heritage types.	
2. Provide evidence of your visit to at least TWO of the following sites that have been declared a: a) World heritage site. b) National heritage site. c) Provincial heritage site.	
3. Explain to the examiner why the sites visited have the status of heritage sites	
4. Explain to the examiner why it is important to protect heritage and what would happen to heritage sites and heritage items if there were no laws in place to protect them.	
5. Learn the history and heritage of Scouting in South Africa and your Scout Troop. Then retell the history to your examiner explaining why your Troop has a different heritage to other Scout Troops in your Area.	
6. Contact an old member of your Troop and talk to them about their time with the Troop.	
7. Do the following a) Explore the cultural heritage of two non-family members (where their family come from, language(s) they speak, cultural background, and the way they interact with their culture). b) Ask them to bring a cultural heritage item to a Scout meeting and discuss with your patrol the significance of their heritage item. c) Report back to the examiner: i. What you have learnt about their different cultural heritage. ii. How you can best protect your cultural heritage.	
8. Explain to the examiner why it is important for South Africans to acknowledge each other's cultural heritage and celebrate it on Heritage Day.	

08/20
08/20v1

Badge Awarded



hiking

Name: _____



Note: On completion of this badge a scout should be able to competently undertake day and overnight hikes under the guidance of an adult. This badge is aimed at ensuring that hikes are enjoyable for a scout.

Requirements	Passed
1. Explain to your examiner: a) How you would properly select, and fit footwear used for hiking. b) The clothing you might select for a day and overnight hike in both summer and winter (including rain). c) The concept of layering and how it applies to what clothing you pack for a day or overnight hike. d) How you would select a rucksack for a day and overnight hike. e) The different types of filling used in sleeping bags and the characteristics and uses of each type.	
2. Explain to your examiner: a) The different types of food which can be taken on a hike and the advantages and disadvantages of each. b) The importance of water in hiking and how much water you would take on different hikes. c) Draft a menu including quantity and cost for yourself on an overnight hike. Discuss the menu with your examiner.	
3. Discuss with your examiner how you would ensure that you leave no trace when hiking.	
4. a) Explain to your examiner the symptoms and treatment of hyperthermia and hypothermia. b) Demonstrate how you would attract attention by sound and vision. c) Show your examiner the contents of your hiking emergency kit and explain the use of each items.	
5. Explain what permission is required before setting out on a hike (permits, parent consent etc) and the correct procedure when crossing private property.	
6. a) Demonstrate to your examiner that you are able to orientate a map by natural features. b) Demonstrate your understanding of contour lines on a map by drawing a profile of contours on a map. c) Discuss hiking speed with your examiner over flat and mountainous terrain. d) Assess the hiking time for 2 hiking trails set by your examiner and explain how you assessed the hiking time.	
7. Put the above knowledge into action by completing four hikes of which at least: a) Two hikes may be day hikes of a minimum of 10 kms each and may include patrol hikes. b) Two hikes must be overnight hikes of at least 20 kms under the control of an adult leader. Report back verbally or in writing on each hike to your examiner.	

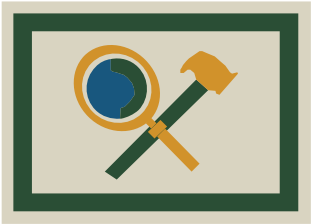
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Badge Awarded



hobbies

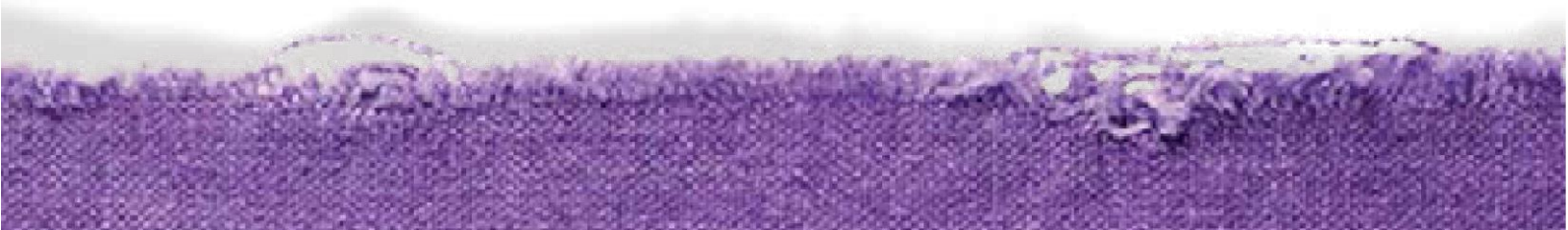
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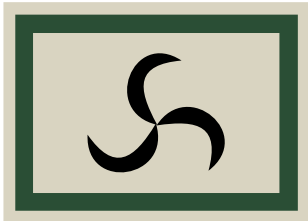
Requirements	Passed
1. Know the safety rules relating to the hobby (if applicable) and present the rules to your Scouter.	
2. Show a continuing interest in your chosen hobby, interest, or activity for four months and present evidence of your involvement in your hobby to your Scouter.	
3. Show your Scouter or your Patrol, how you pursue your hobby, interest, or activity. Show what equipment, materials, and background information you have used. OR If your hobby includes collecting or items: a) Make a collection or study of objects for at least four months. You could collect books or magazines, cards, coins, figurines, films, key rings, paper money, postcards, stamps or similar. b) Show how you have chosen to display and store your collection and explain to your Scouter the reasons for doing this. c) Talk to your Patrol Leader or your Troop about the collection or study you chose. Explain why you chose your objects and what you like about them.	
4. Discuss with your examiner how you plan to develop their hobby, interest, or skill in the future	

08/20
08/20v1

Badge Awarded



Name: _____



Requirements	Passed
1. Pass or have passed the requirements of the First Aid Scoutcraft Badge.	
2. Demonstrate your knowledge about the need to wash your hands and understand how to keep healthy and clear of infection.	
3. Demonstrate how to: a) Prepare and ventilate (air) a sick room. b) Change a bed with a patient in the bed. c) Take temperature, pulse, and respiration. d) Prop up a patient in bed and make the patient comfortable in a sitting position.	
4. Explain what to check before assisting a patient to take their medication and know the necessary precautions to be taken in the handling and storage of drugs and medicines.	
5. Show your knowledge of bedsores and their causes.	
6. Demonstrate how to: a) Bed-bath a patient. b) Brushing a patient's teeth. c) Keeping the mouth clean. d) Shaving. e) Brushing hair and making it tidy. f) Cutting nails.	
7. Complete ONE of the following: Friend to the Blind: a) Know the best way to Guiding and helping a blind person. b) Know what organisation/amenities cater for the blind. c) Prove that you have used your knowledge in the service of others. Friend to the Deaf: a) Be able to use the manual alphabet and know when it is possible to use this method. b) Understand the importance of lip reading and the correct position to adopt in order to give the lip reader the best chance of reading lips. c) Understand how sound is normally heard and know the functions of the three part of the ear. d) Prove that you have used your knowledge in the service of others. Friend to the Disabled: a) Know a little about the national council for the handicapped, where they are located and how to contact them. b) Visit a local home and know the type of handicapped person for whom it caters. c) Know how to handle an epileptic or similar fit. d) Know the general precautions to be taken when dealing with this type of person. e) Under supervision, help with a handicapped person and show that you understand their needs. f) Know why handicapped people should be stimulated. Describe the stimulation programme of the person they/you are assisting	
8. Complete ONE of the following: Baby Care a) Spend time with an infant (under the age two). Watch the child carefully and keep a record of your discoveries.	

- b) Find out what immunisations are necessary for children and why.
- c) Demonstrate that you know how to hold, feed and dress an infant.
- d) Be able to change a nappy and understand the importance of cleanliness, the dangers of nappy rash etc.
- e) Prepare a meal/snack or bottle of formula for an infant. Understand the danger of diarrhoea and how to prevent dehydration in infants.
- f) Explain what toys are suitable for the particular age of the infant you are working with.
- g) Decide what you would need if you were taking an infant on an all-day outing. Explain why you would include each item.
- h) Know how to do CPR for babies

Childcare (Children aged 3 – 5)

Part One:

- Know how a child should be clothed in summer and winter.
- Know what food is suitable for him/her.
- Know what kind of play materials should be given.
- Plan a day recognising the important or regular routine.
- Know how to prevent accidents in the home and garden and around water.

Part Two:

Take charge of a child or small group of children for part of a day under the supervision of an adult. This should include:

- Helping them to wash before a meal and serving a meal; or putting them to bed.
- Setting out suitable material for play and watching them play – joining in if a child requires it.
- Tell a story to them.
- Know how to deal with choking and CPR for children

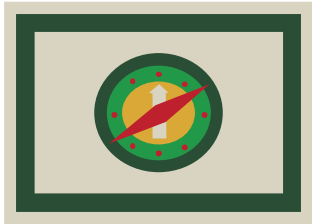
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Badge Awarded



map reading

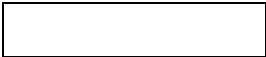
Name:



Requirements	Passed
1. Know some of the different types of compasses that are available and explain how a compass works. Know some of the problems that can occur in using a compass, and how to overcome these.	
2. Know the difference between the following and demonstrate the ability to find each of these, both on a map and on the ground: a) True North. b) Grid North. c) Magnetic North.	
3. Explain the cause and effect of magnetic declination and know the relationship between true bearings and magnetic bearings. Demonstrate how to convert bearings on a map to compass bearings, and vice versa.	
4. Demonstrate a working knowledge of bearings and back bearings by being able to: a) Identify a feature from a map, by taking bearings to locate it on the ground. b) Carry out an exercise in the field to determine your position on a map by the resection method using back bearings. c) Use a magnetic compass to follow a compass trail of about one kilometre in length, consisting of seven or eight distances and bearings (both True and Magnetic).	
5. Carry out the following: a) Explain what a map is. b) Know some of the types of maps that are available, and what information each of these can provide. c) Demonstrate a knowledge of scale and be able to do conversions between RF (Representative Fraction) scale, graphic scale, and statement scale. d) Demonstrate a knowledge of conventional map symbols. e) Be able to read contours on a map, and explain how contours indicate slopes, gradients, and major landforms. f) Correctly measure a distance on a map and calculate the actual distance that this represents on the ground. g) Set a map using a compass, and by ground to map comparison.	
6. Demonstrate a thorough knowledge of all the features on a map by carrying out an imaginary hike of approximately 25 km between two points on a map selected by the examiner. Describe the route in detail and indicate an area which could serve as an overnight stop. Be able to estimate hiking speeds over different terrains indicated on the map by the examiner	

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08/20v1

Badge Awarded



Name: _____



Requirements	Passed
1. Pass or have passed the requirements of the Watermanship Scoutcraft Badge.	
2. Demonstrate how to load a pulling boat with stores and personnel, and how to trim the boat correctly.	
3. Explain the following: a) Safety rules applicable to boating in your area. b) The International Rules of the Road concerning right of way of power boats, Oarsman boats, canoes, and boats under sail. c) Rules applicable to personal buoyancy. d) How and why you would check the boat for buoyancy.	
4. Discuss the signs of approaching bad weather as well as fine weather for your area.	
5. Understand and demonstrate the resuscitation of the apparently drowned.	
6. Demonstrate: a) The following knots: i. Anchor Bend (Fisherman Bend). ii. Water Bowline. iii. Rolling Hitch. iv. Sheet bend v. Double Sheet bend vi. Carrick Bend. b) How to prevent a synthetic rope from fraying.	
7. Name all the parts of a pulling boat, oars, and rudder.	
8. On land, cast a heaving line at least 8 metres to fall within 2 markers spaced 2 metres apart.	
9. Using a gig or similar craft row at least 100 metres double banked, turn the craft as directed and row back. A coxswain may keep the boat straight	
10. Log at least 3 hours of pulling. The log must be certified by your Troop Scouter	

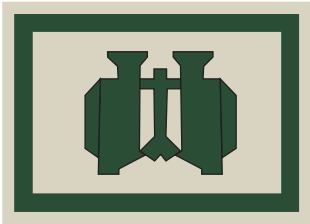
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Badge Awarded



observation

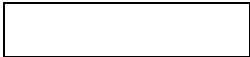
Name: _____



Requirements	Passed
1. Play Kim's Game and after one minute of observation remember correctly 24 out of 30 well-assorted articles. The test is to be repeated twice running with different articles and each article is to be adequately described.	
2. Blindfolded, correctly identify 8 out of 10 simple sounds by hearing only.	
3. Blindfolded, identify 8 out of 10 common substances by smell only.	
4. Blindfolded, identify 12 out of 15 common articles by touch only.	
5. Explain the characteristics of human footprints, with and without boots or shoes. Be able to identify correctly the following tracks made by a person in sand or soft earth: walking; walking backwards; limping; carrying a weight; running.	
6. Correctly identify the following cloud formations (from pictures where natural examples are not available), and explain the weather associated with each: a) Cumulus. b) Cumulo-nimbus. c) Cirrus. d) Nimbo-stratus. e) Strato-cumulus. f) Alto stratus.	
7. Make three plaster casts of the tracks of wild animals or birds or make 5 sketches of different animal or bird tracks that you have observed out-of-doors. Identify the tracks.	
8. Correctly identify 10 different makes or models of cars on the road OR Correctly identify 10 different types of trees OR Correctly identify 10 different types of leaves OR Correctly identify 10 different types of insects. OR Correctly identify 10 different types of birds in the outdoors.	

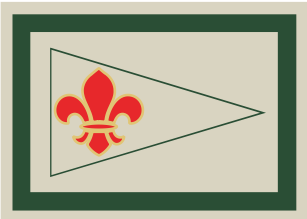
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Badge Awarded



patrol activities

Name: _____



Requirements	Passed
1. Be a faithful member of your Patrol.	
2. Explain the Patrol System.	
3. Show a knowledge of your Patrol name.	
4. Take part in three meetings of the Patrol-in-Council.	
5. Take part in a Patrol Good Turn.	
6. Complete FIVE of the following activities: a) Take part in an indoor Patrol Meeting. b) Take part in an outdoor Patrol Meeting. c) Take part in a joint Patrol activity other than at a Troop meeting (within your own Troop, or with a Patrol from another Troop or Guide Company). d) Take part in a Patrol exchange with another Troop or Guide Company. e) Take part in a short Patrol camp (for minimum of 2 nights). f) Take part in a Patrol expedition (over 1 weekend). g) Gain one advancement badge. h) Any other Patrol activity of a similar nature and level of achievement as agreed with the Court of Honour.	
7. Hold a Position of responsibility in your Patrol for at least one year (for example, Quartermaster or Scribe).	

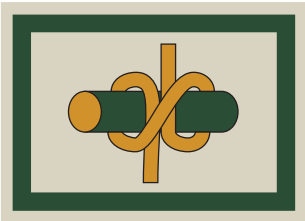
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Badge Awarded



pioneering

Name: _____



Note: Refer to the SCOUTS South Africa Pioneering Manual for more information and assistance for this badge.

Requirements	Passed
1. Whip the ends of 3 ropes using the following and know on what types of ropes each whipping is best suited: a) West country whipping. b) Sailmakers whipping. c) Simple whipping.	
2. Using the ropes you have whipped, tie the following knots, and demonstrate their uses: Bowline, Sheet bend, Round turn and two half hitches, Figure-of-eight knot, Fisherman’s knot, Timber hitch, Bowline-on-a-bight, Manharness hitch, Rolling hitch, Running bowline, Taut line hitch, Marlinspike hitch.	
3. Tie the following knots in nylon filament (fishing line): a) Blood knot. b) Fisherman’s surgeon knot.	
4. Make the following lashings with a high degree of efficiency, and know the uses of each: a) Square lashing. b) Diagonal lashing. c) Figure-of-eight lashing. d) Round lashing. e) Sheer lashing.	
5. Make the following splices in a rope with a diameter of at least 12 mm: a) Back splice. b) Eye splice. c) Docker’s splice. d) Short splice.	
6. Construct two of the following projects, working on your own: a) Camp table or dresser using lashings. b) Flagpole at least 5m high using round lashings. c) Model bridge (monkey bridge or trestle bridge). d) Raft to carry two persons. Demonstrate it on water. e) Scout transporter or Haymaker Bridge. f) Or another project approved by the examiner.	

03/94
08/20v1

Badge Awarded



religion & life

Name: _____



Christian Requirements	
Note: The Examiner must either be a Minister / Priest of the religious body to which the Scout belongs, or some person appointed by their religious body.	
Requirements	Passed
1. Be able to pass the tests for the Cub Religion & Life Badge	
2. Scripture Knowledge: Locate in the relevant text in your own Bible and explain two stories ONE from each of the Sections A and B: A. Moses; Samuel; Gideon. B. Jesus calling his Disciples; Healing of the Centurion's.	
3. Practice: a) Regularly attend Sunday School or your place of worship. b) Give Thanks (Say Grace).	
4. Understanding: a) Explain the meaning of Prayer. b) Say a short prayer on a given subject. c) Name the Gospels and the Epistles and know the difference in meaning. d) Explain the difference between the Old Testament and the New Testament. State the number of books in each.	
5. General: Answer questions relating to your religious order and procedures at the discretion of the Examiner, who will bear in mind your age.	
Jewish Requirements	
Note: The Examiner must either be a Rabbi / Synagogue Leader of the religious body to which the Scout belongs, or some person appointed by their religious body.	
Requirements	Passed
1. Recite the 10 Commandments and explain their meaning.	
2. Read in Hebrew - V'Ahavta, Avat, Kiddush.	
3. Maintain regular attendance at Synagogue services (Friday evening and Saturday morning) for at least six months.	
4. Read and interpret Friday evening and Saturday morning services.	
5. Describe the work of at least 3 charitable organisations to which you have contributed.	
6. Give brief outline of Jewish history from division of the Kingdom down to Babylonian Exile.	
7. Name the first 3 Kings of Israel and tell something about each.	
8. Read a book of Jewish biography or history and tell about its contents.	



Muslim Requirements	
Note: The Examiner must either be an Imam / Mosque Leader of the religious body to which the Scout belongs, or some person appointed by their religious body.	
Requirements	Passed
1. Detailed explanation of principles of Islaam (Arkanul Islam).	
2. Read: Payamber - the Messenger. Three parts.	
3. Describe the work of three charitable Islamic organizations.	
4. Study of the Prophet Ebrahim.	
5. Study of Qur'anic verses with regard to parents and the relevant Ahadeeth.	
6. Fard solaah to be observed.	
7. Regular attendance of a madrasah.	
8. Possess a translation Qur'aan (Yusuf Ali translation).	
Hindu Requirements	
Note: The Examiner must either be a Priest / Mandir Leader of the religious body to which the Scout belongs, or some person appointed by their religious body.	
Requirements	Passed
1. Chant the Mantras of the Ishwar Upasana and give their meanings.	
2. Maintain regular attendance at religious services.	
3. Know the significance of: <ul style="list-style-type: none"> a) Rem Navami. b) Krishna Asthami. 	
4. Describe the welfare and humanitarian work of: <ul style="list-style-type: none"> a) The Aryan Benevolent Home. b) The Divine Life Society. c) The Ramakrishna Centre. d) Any other body. 	
5. Study the lives of the following <ul style="list-style-type: none"> a) Swami Vivekananda. b) Swami Savananda. c) Swami Dayananda. d) Meera Bai. e) Thiruvalluvar. 	
6. Read the contents of "The Elementary teachings of Hinduism" (A Veda Nikatan Pub.)	
7. Read and know Chapters two, three and four of the Bhagavad Gita.	

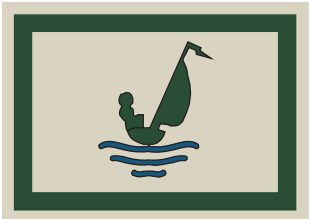
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Badge Awarded



sailing

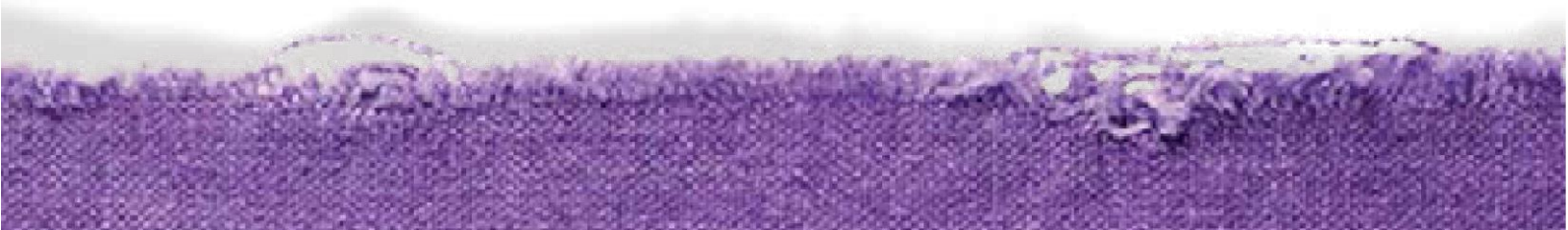
Name: _____



Requirements	Passed
1. Have passed the Watermanship Scoutcraft Badge.	
2. Recognise 5 different types of sailing craft.	
3. Identify and name: a) Main parts of a sailing craft. b) The parts of a sail (Mainsail and Foresail). c) Parts of the rigging.	
4. Know the signs of approaching bad weather as well as fine weather for your area.	
5. Explain the following: a) Safety rules applicable to boating in your area. b) The International Rules of the Road concerning right of way of power boats, Oarsman boats, canoes, and boats under sail. c) Rules applicable to personal buoyancy. d) Why and how you would check a boat for buoyancy.	
6. Demonstrate the following knots: a) Figure of eight knot. b) Sheet Bend. c) Double Sheet Bend. d) Bowling. e) Reef Knot. f) Anchor Bend. g) Round turn and two half hitches. h) Rolling Hitch and Carrick Bend.	
7. How to prevent synthetic ropes from fraying.	
8. Demonstrate the following: a) Rig a sailing boat and prepare for sailing. b) After sailing, de-rig the boat. c) The proper care and storage of equipment. d) Rescue a conscious man from the water. e) Discuss and carry out capsize drill.	
9. Show that you are an efficient member of a sailing crew. Take the helm and sail the boat on all points of sailing including getting under way, coming alongside, and making fast.	
10. Log at least 3 hours of sailing. The log must be certified by your Troop Scouter.	

03/94

Badge Awarded



sports fan

Name: _____



Note: Chose a sports discipline before completing the requirements of this badge.

Requirements	Passed
1. Explain the rules governing the chosen sport.	
2. Describe the levels of achievement within the chosen sport either locally, nationally, or internationally.	
3. Show knowledge of some of the personalities, champions or other experts within the sport and explain how they might have inspired you.	
4. Talk about the equipment required for the sport.	
5. Describe a recent major event, championship, or landmark in the sport.	
6. Explain how you follow the sport and how you keep up to date with developments.	

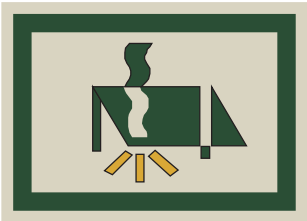
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Badge Awarded



survival

Name: _____



Requirements	Passed
1. Know the four main needs to be satisfied in a survival situation. Discuss: a) The various ways in which these needs can be satisfied. b) Discuss the useful items that could be included in your kit in case this type of emergency should arise on an expedition.	
2. Build a weatherproof shelter from natural materials or groundsheets (overhanging rock and cliffs excluded) and sleep in it alone or with another Scout for at least one night.	
3. Lay and light a fire outdoors, without matches, using an alternative method such as magnifying glass, binoculars, flint and steel, friction, bow and drill or batteries.	
4. With raw ingredients (not dehydrated), cook over an open fire a meal consisting of a main course (utensils and aluminium foil excluded) and a twist or damper.	
5. Demonstrate any method of rendering muddy water fit for human consumption.	
6. Demonstrate two methods of finding true North during the day and two methods at night, without the aid of a compass or map.	
7. Recognise and identify three poisonous snakes in your area and know the precautions to take to avoid being bitten by snakes.	

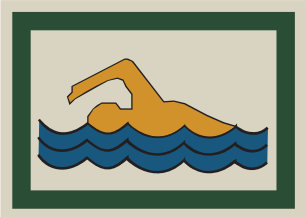
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Badge Awarded



swimming

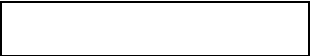
Name: _____



Test	Passed
1. Swim 100 metres in any overarm or crawl style.	
2. Swim 50 metres in clothes (shirt, shorts, and socks as minimum) and undress in the water with the feet off the bottom.	
3. Swim 50 metres on the breast and 50 metres on the back (either hands clasped, or arms folded in front) and then a further 50 metres any style making 150 metres in all.	
4. Take clothes off on shore. Enter water feet first. Carry shirt in teeth or hand. Swim 10 metres. Swing one end of the shirt into the hands of a 'drowning' person. Tow him to the shore.	
5. Demonstrate, by means of 'clothing inflation', a method of remaining afloat for three minutes.	
6. Execute a reasonable dive into the water from the side of the pool.	
7. In a swimming pool, dive from the surface of the water and recover with both hands an object from the bottom. The water is not to be more than 2 metres deep.	

03/94
08/20v1

Badge Awarded



watermanship

Name: _____



Requirements	Passed
1. Have passed the Swimming Scoutcraft Badge or complete all the requirements for it. Be prepared to be examined on any requirement of the Scoutcraft Badge, with an age appropriate level of skill.	
2. Explain how to be safe around water.	
3. Understand and apply the buddy system.	
4. Demonstrate how to wear and care for a Personal Floatation Device.	
5. Board a canoe or river kayak (not a polo boat) in the correct way and paddle a course of 200m defined by the examiner.	
6. Act as crew for an older scout on a dinghy for at least 30 minutes.	
7. Act as an oarsman on a pulling boat for at least 30 minutes	
8. Demonstrate the following knots: Reef knot; Figure of 8 Knot	

03/94
08/20v1

Badge Awarded

