

Advancement and Merit Badge Handbook

This is the official *Advancement and Merit Badge Handbook* of the Boy Scouts of the Philippines. It contains a comprehensive explanation of Scout Advancement, the Advancement Requirements for the different Scouting Programs, The Merit Badge Scheme, and a complete list of the different Merit Badges and their corresponding requirements.

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SCOUT ADVANCEMENT

To reach an advancement badge, four steps should be taken. They are known as PERA:

- 1) Preparation
- 2) Examination
- 3) Review
- 4) Award

Preparation – Advancement takes place in the patrol. Hence, Patrol Leaders need the continued training from the Troop Leader/Outfit Advisor at informal meetings of the Patrol/Crew Leaders' Council. The Scout prepares to meet the requirements for advancement, with the encouragement and help of his Patrol Leader/Crew Leader.

This preparation is the natural outcome of the boy's participation in regular Scouting activities.

Examination – The Scout may be examined by his own Patrol Leader – provided this leader already has the badge the Scout is being examined for. Otherwise, another Troop Leader/Outfit Adviser will have to give the examination.

Passing the test is really a check-off process rather than a formal examination. It should be an actual demonstration of the skills involved and should conform with the interpretation of the various requirements as given.

When the boy has completed all the requirements, his record is reviewed by the Patrol/Crew Leaders' Council. This group makes the recommendation to the Troop Leader based on their personal knowledge of the qualities of the candidate.

Next, the Scout must submit to a conference with the Troop Leader/Outfit Adviser – a step so important that the Troop Leader/Outfit Advisor should handle it himself unless limitations of time make it impossible. This conference should be informal. Its objectives are to determine the Scout's understanding of the ideals of Scouting and how well he lives up to them in his daily life. It is an opportunity for the Troop Leader to counsel the boy for the next advancement badge.

When you are satisfied that the boy is making satisfactory progress in Scouting, you sign his advancement scorecard indicating that he is ready to appear before the Board of Review.

Review – A Board of Review is composed of at least three adult friends in Scouting. They will ask the Scout questions on what he has done to earn the particular badge. Their objectives is not to test the Scout or to embarrass him but to make sure that what should have been done was actually done by the Scout. The members of the Board of Review will ask enough questions to make sure that the Scout deserves the badge.

When the members of the Board of Review are satisfied that the Scout is qualified for the badge, his application form is approved. You, the Troop Leader, shall send the report to the local council office. Shortly, thereafter, the corresponding certificate will be sent to the Scout through you.

It should be remembered that the review must be a friendly affair between the Scout and the members

of the Board of Review who are interested in the welfare of the Scout. The boy should be put at ease and encouraged to talk. The review should develop the Scout's confidence in the Scouters or friends of Scouting who are helping him.

Award – As soon as the Scout passes the Board of Review and the certificate arrives, an advancement ceremony or a Court of Honor should be arranged for the formal presentation of the badge and certificate. Parents and friends of the Scout should be invited. Make this ceremony as impressive and meaningful as possible. It is a recognition of the Scout's achievement in Scouting.

LIST OF MERIT BADGES

CITIZENSHIP GROUP (7)

- Citizenship in the Community
- Citizenship in the Home
- Citizenship in the Nation
- Filipino Heritage
- Personal Health
- Rizal Lore
- World Brotherhood

PLANT GROUP (6)

- Agriculture
- Coconut Growing
- Crop Production
- Farm Management
- Tree Farming
- Gardening

PUBLIC SERVICE (9)

- Emergency Preparedness
- Firemanship
- First Aid
- Home Repairs

Interpreting
Lifesaving
Public Health
Safety
Signaling

SPORTS GROUP (10)

Archery
Athletics
Boating
Cycling
Horsemanship
Marksmanship
Physical Fitness
Snorkeling
Swimming
Team Sports

CRAFTSMANSHIP (13)

Barbering
Basketry
Blacksmithing
Bookbinding
Carpentry
Handicraft
Leathercraft
Masonry
Metal Work
Painting
Plumbing
Pottery

Wood Carving

ANIMAL GROUP (12)

Animal Study

Dairying

Duck Raising

Fish Culture

Fishing

Food Processing

Hog Raising

Livestock Raising

Pet Care

Pigeon Raising

Poultry Raising

Rabbit Raising

CAMPCRAFT GROUP (6)

Camping

Cooking

Hiking

Pathfinding

Pioneering

Ropework

ARTS GROUP (9)

Architecture

Art

Dramatics

Music

Public Speaking

Printing

Reading
Scholarship
Sculpture

TECHNICAL GROUP (20)

Aviation
Astronomy
Automobiling
Business
Chemistry
Computers
Drafting
Electricity
Electronics
Engineering
Hobbies and Collection
Journalism
Machine Shop Practice
Photography
Radio
Salesmanship
Surveying
Tailoring
Woodwork
Seamanship

NATURE GROUP (12)

Beekeeping
Bird Study
Botany
Ecology

Environment
Forestry
Insect Study
Nature Lore
Reptile and Amphibian Study
Soil and Water Conservation
Weather

ADVANCEMENT REQUIREMENTS

Boy Scouting Program

Membership Badge Requirements

1. Sing the *Pambansang Awit* and recite the *Panunumpa sa Watawat*.
2. Recite the Scout Oath and Law, Scout Motto, and Slogan.
3. Demonstrate how to execute the Scout Sign, Scout Salute and Scout Handshake.
4. Describe the Scout Badge.
5. Earn and save enough money to pay for your registration fee.
6. Appear before your Troop in an investiture ceremony and commit yourself to the Scout Oath and Law.

Tenderfoot Rank Requirements

1. Explain the following: Scout Oath and Law, Scout Motto, Scout Slogan, Scout Sign, Scout Salute, Scout Handshake, and the Scout Badge.
2. Attend regular religious services with the members of your family.
3. Explain the symbolism in the Philippine Flag. Draw the Evolution of the Philippine Flag.
4. Identify your boy and adult leaders in the Patrol and Troop and explain their duties and responsibilities.
5. Earn the equivalent of one-half-day's wage.
6. Tell rules at home that you need to know.
7. Wash and darn your underwears and stockings.

8. Plant and care for at least one tree.
9. Enumerate personal health rules that you should observe. Plan a balanced diet for one week.
10. Inspect your home for safety hazards and report to your Troop what you did to correct them.
11. Demonstrate First Aid for the following: cuts and scratches, bruises, first degree burns and scalds, insect bites and stings, nose bleeding, pain, fainting, and headache. Demonstrate how to use the neckerchief as a triangular and a cravat bandage.
12. Identify at least ten (10) edible plants and demonstrate how at least three of them are prepared.
13. Sharpen a knife or a bolo and use it in preparing firewood for cooking.
14. Name the parts of a rope. Enumerate the characteristics of a good knot. Demonstrate how the following knots are used: overhand knot, fisherman's knot, figure-of-eight knot, square knot, sheet bend, bowline, two-half hitches, timber hitch, and tautline hitch. Demonstrate and explain why the ends of the rope must be whipped.
15. Point to the four compass directions and show how to locate the North.
16. Identify at least 15 out of 20 items in a Kim's Game.
17. Demonstrate to a friend correct table manners.
18. Be active in Patrol and Troop meetings and activities. Join a Patrol Good Turn for your institution or community, particularly tree planting and caring and community beautification. Give your Patrol name, call and yell.
19. Discuss with your Troop Leader your commitments in the Troop and Patrol.
20. Discuss how to guard against child abuse.

Second Class Scout Rank Requirements

1. Narrate anecdotes/stories depicting the Scout Oath and Law, the Scout Motto, and the Scout Slogan.
2. Attend religious instructions and religious services.
3. Demonstrate how to hoist, lower, display, fold, and show respect for the Philippine Flag.
4. Identify your Troop Committee members and Institutional Leaders and describe what they do to help the Troop.
5. Earn the equivalent of one-half-day's wage.
6. Tell Troop traditions that you should observe.
7. Explain how to take care of some of the property of your Sponsoring Institution.
8. Demonstrate to a Patrol activity how to help ensure sanitation in the community.
9. Explain and discuss the Safe Swim Defense Plan and be able to undergo Basic Swimming Lessons.
10. Describe the five (5) vital steps in giving First Aid. Demonstrate First Aid for fever, sunstroke, heatstroke, dog bites, snake bites, foreign object in the eye, asphyxiation and transporting of the

injured.

11. Name at least five (5) animal friends and explain why they are so. Name at least five (5) birds, fish, and/or insects observed during a hike.
12. Do some repairs in the home to the satisfaction of your parents.
13. Demonstrate when to use the following lashings: overhand knot, fisherman's knot, square lashing, diagonal lashing, figure-of-eight lashing, continuous lashing. Make a model of a pioneering project.
14. With the use of a compass or any other means, orient a street map or a topographic map. Show a friend how to reach a certain place using a map.
15. Determine personal measurements, including the length of your step. Use these for determining heights, widths, weights, and distances.
16. Discuss with your leaders the proper decorum in boarding and alighting from vehicles, social gatherings, convocations, sacred places, etc.
17. Tell what to do on a safe hike. Take an eight-kilometer hike with the Troop, Patrol, or two other Scouts, using proper hiking methods and road courtesies. Sketch the route from your home to the hike site.
18. Discuss with your Troop Leader proper communication with your peers. Discuss also how to set goals.
19. Earn the SAFETY and the CITIZENSHIP IN THE HOME Merit Badges.

First Class Rank Requirements

1. Cite experiences wherein you practiced the Scout Oath and Law, the Scout Motto, and the Scout Slogan.
2. Produce satisfactory evidence that you have been faithful to your religious obligations.
3. Lead in at least one flag-raising and one flag-lowering ceremony.
4. Briefly describe what the District or Municipal Scouting Committee does. Observe one of their meetings.
5. Earn and save the equivalent of two-day's wage. Prepare a 3-year plan for a vocational career path that you will pursue after earning the First Class Scout Rank.
6. Describe how you will show respect for the rights and property of others.
7. Participate in a community service project undertaken by your Patrol or Troop.
8. Explain the dangers of smoking, alcoholism, and drug abuse.
9. Swim at least 25 meters using any of the following strokes: Breast Stroke, Crawl Stroke, Side Stroke, and Elementary Back Stroke. Explain the importance of the 8-point Safe Swim Defense Plan.
10. Explain what to do during emergencies, like fires, earthquake, floods, accidents, etc. Demonstrate First Aid for blister, bleeding wounds, foreign object in the ear, nose, and throat, poisoning, simple and compound fractures, heart attack, and how to apply cardio-pulmonary resuscitation (CPR).

11. Show at least two (2) constellations that may be used to locate the North.
12. Using common tools, make a project that will be useful in the home or in your Troop.
13. Make at least three (3) gadgets that can contribute to your comfort in camp.
14. Draw a simple map of your community covering an area of at least one square kilometer.
15. Send and receive a message of at least 20 words (100 letters) over a distance of at least 50 meters using the International Morse Code. Demonstrate how to send distress signals by any means.
16. Participate in one social activity like a birthday party or fiesta, etc. and observe social graces.
17. Prepare for camp. Show the camp equipment you will use (including food and cooking utensils). Explain how you will use them. Show the correct way to pack and carry your belongings. Demonstrate proper tent-pitching. Participate in a total of 4 overnight camps or 2 week-end camps. Cook a meal for yourself and another during the camp.
18. Discuss with your Troop Leader sexual maturity and chaste living. Discuss also how you behave at home, in school, and/or in the community (with your gang).
19. Earn the CITIZENSHIP IN THE COMMUNITY, FILIPINO HERITAGE, FIRST AID, and ECOLOGY or TREE FARMING Merit Badges.

Outdoorsman Rank Requirements

For a period of at least five (5) months as a holder of the First Class Scout Rank, do the following:

1. Satisfy your parents and Scout Leaders, that you are doing your best to live by the Scout Oath, Law, Motto, and Slogan.
2. Attend regularly to the religious services of your faith. Bring a friend of the same faith with you.
3. Convince your Patrol members that you have developed the personal values of courtesy, respect, industry, and cooperation through your behavior and interactions with them.
4. Demonstrate proper conduct in boarding and alighting from a conveyance with a lady and/or an elderly person and proper decorum when you meet someone you know on the street.
5. Using your 3-year vocational plan developed in the First Class Scout Rank, explore and report on at least five (5) occupations in your chosen field, indicating the job opportunities, preparations, and training involved, and advancement within each occupation.
6. With your Patrol, plan and participate in a special community service project such as reforestation, garbage disposal, soil/water conservation, healthful environment information campaign, etc.
7. On a 3-day hike or camping expedition, draw a road map of at least three (3) kilometers, showing important features within 20 meters on both sides, using compass bearings and distances, and indicating conventional signs and familiar landmarks; OR, with your Patrol Leader, bring visitor on a tour of your town or province, pointing out the significant tourist spots and landmarks and explaining their history or significance.
8. Earn the CITIZENSHIP IN THE NATION, PHYSICAL FITNESS, SWIMMING, SOIL AND

WATER CONSERVATION, and WEATHER Merit Badges in addition to those previously earned.

Venturer Rank Requirements

For a period of at least six (6) months as a holder of the Outdoorsman Rank, do the following:

1. Satisfy your parents and Scout Leaders, that you are doing your best to live by the Scout Oath, Law, Motto, and Slogan.
2. Receive religious instruction with a friend of the same faith.
3. Make a survey of values, beliefs, and practices in your community. Examine their importance to the life of the people in the community. Analyze these values and beliefs in relation to the Scout Oath and Law and determine which values/beliefs that need to be changed, improved, or modified to make a better community. Present this to your Patrol or Troop for their approval.
4. Participate in planning and conducting an indoor or outdoor social activity involving members of the opposite sex.
5. Individually or with a companion who is also interested in your chosen vocational field, study and earn one (1) SPECIALIST RATING (involving three merit badges).
6. Be a member of the Emergency Service Corps in your community/school and participate in at least one rescue or other emergency situations.
7. On a 3-day survival expedition in an approved Scout camping site, staying in an improvised shelter, making improvised utensils and camp gadgets, and cooking your food without cooking utensils. Afterwards, clean up camp such that there are no signs or marks of your having stayed there.
8. In addition to the Merit Badges earned in the previous ranks, earn the CAMPING and EMERGENCY PREPAREDNESS Merit Badges.

Eagle Scout Rank Requirements

For a period of at least six (6) months as a holder of the Venturer Rank, do the following:

1. Satisfy your parents and Scout Leaders, that you are doing your best to live by the Scout Oath, Law, Motto, and Slogan.
2. Show evidence that you are faithful in observing your religious obligations.
3. Participate or lead in an Institutional or District activity involving the development of your people's attitude and values.
4. Lead in planning and conduct a Troop or Patrol social activity, either indoors or outdoors, involving young people or mixed groups.
5. Within your chosen area of vocational/avocational study, earn a second SPECIALIST RATING (involving three additional merit badges). Make an individual vocational training/development plan to pursue your chosen occupation and secure the approval of your Troop Leaders.

6. As a leader, plan and carry out two (2) community service projects designed to improve the physical environment in your community.
7. With a companion, go on a 4-day survival expedition during rainy season to an approved Scout camping area, bringing with you only a compass and map, raincoat, knife, and waterproof matches and living off the land. After the expedition, present yourself to your Troop Leader to show you are still healthy, and narrate your experiences.
8. Earn the WORLD BROTHERHOOD and LIFE SAVING Merit Badges in addition to those previously earned (including those for the Specialist Rating).

Senior Scouting Program

Membership Badge Requirements

(Required for all boys entering Senior Scouting, whether or not they have been Boy Scouts.)

1. Recite the Scout Oath and Law, Scout Motto, and Slogan, and the Senior Scout Code. Explain the meaning of each in your own words as they relate to your daily life.
2. Demonstrate and explain meaning and use of the Scout Sign, Scout Salute, and Scout Handshake. Explain the symbolism of the Scout Badge and Senior Scout Emblem. Tell when to wear the Senior Scout Uniform and how to care for it.
3. Plant at least two (2) fruit-bearing, wind-breaker, or soil erosion control trees around your home or community and take care of them so they will survive.
4. Demonstrate simple First Aid for the following: cuts and scratches, hand and foot blisters, burns and scalds (first degree), insect bites and stings, and nose bleeding.
5. Demonstrate the proper uses of the following knots in everyday life activities: square knot, sheet bend, half hitch and two-half hitches, figure-of-eight knot, stevedore's knot, bowline, clove hitch, tautline hitch and sheepshank. Whip the ends of a rope.
6. On a trip around town or city with your leader, demonstrate proper knowledge and obedience to at least eight (8) traffic signs and road markings, explaining their meaning along the way.
7. In conference, explain to your Senior Crew Leader and Outfit Advisor why you want to become a SENIOR SCOUT.
8. Earn and save enough money and pay your Membership Fee with the Boy Scouts of the Philippines.
9. In a formal Investiture Ceremony, commit yourself to the Scout Oath and Law and the Senior Scout Code in the presence of your Outfit Advisor and Crew.

Explorer Rank Requirements

(The Explorer Rank is required of a former Boy Scout who has not earned the Second Class Rank while in Boy Scouting. A Second Class Scout will automatically earn the Explorer Rank after passing only the Social and Vocational Activities requirements.)

For a period of at least three (3) months as a holder of the First Class Scout Rank, do the following:

Senior Scout Ideals

1. Satisfy your parents and Scout Leaders that you are doing your best to live by the Scout Oath and Law and the Senior Scout Code.
2. Give evidence that you are attending religious instructions and services.
3. Demonstrate the proper handling and display of the Philippine Flag and respect due it.

Social Activities

4. Explain and demonstrate the proper method of introduction of two or more persons and of sending and answering formal and informal invitations. Attend one formal affair with a girl or a member of your crew, demonstrating proper etiquette.
- 5 Earn and keep in a savings account the equivalent of a minimum daily wage of a worker.

Service Activities

- 6 Participate in an Outfit, school, or community program on the prevention of Drug Abuse. Explain to a group of teenagers the dangers posed by drug abuse and the harmful effects of alcohol and tobacco to the body.

Outdoor/Indoor Activities

7. On a hike, demonstrate First Aid for the following: fever, bleeding, sunstroke, heatstroke, animal bites, snake bite, fainting, foreign object in the eye, asphyxiation, and emergency transportation of the injured.
8. Demonstrate the proper uses of the following knots in indoor or outdoor activities: rolling hitch, timber hitch, rover noose, french and Spanish bowlines, manharness knot, highwayman's hitch, scaffold hitch, fisherman's knot, marlinespike hitch, sheepshank and dogshank. Splice two ropes of the same and of different diameters.
9. Send and receive accurately by International Morse Code (using light, or flag) a message of at least 30 words to and from another person stationed over a distance of 100 meters or more.
10. On a cross-country hike, find and identify ten (10) different trees or shrubs. Tell their medicinal or other uses. If poisonous, explain the treatment needed when exposed to them.
11. Identify the sixteen (16) principal points of a compass. Using a topographic or sketch map, follow a course at least two (2) kilometers cross-country or in unfamiliar urban areas using a compass and reading conventional map symbols and contour lines. Demonstrate how to estimate heights, widths, and distances using personal measurements.
12. Follow the tracks of a person or animal on soft ground for half a kilometer reading the meaning of the tracks; OR follow the trail of another person made with trail signs for one kilometer. At the end of the trail, stalk the person without being seen for 30 minutes and record his/its activities.
13. Demonstrate proper sharpening, use, and care of knife, bolo, saw, and axe. Using a knife, bolo or an axe and without matches, prepare and build a cooking fire. Cook rice and viand on it.

14. Plan to go on a 14-kilometer adventure hike and cook-out with at least one companion observing proper road and property courtesies. Present a sketch map of your hike route using compass bearings and map symbols.

15. Earn the SAFETY and the CITIZENSHIP IN THE HOME Merit Badges.

Pathfinder Rank Requirements

(The Pathfinder Rank is required of a former Boy Scout who has not earned the First Class Scout Rank while in Boy Scouting. A First Class Scout will automatically earn the Pathfinder Rank after passing the Social and Vocational requirements of the Explorer and Pathfinder Ranks.)

For a period of at least five (5) months as a holder of the Pathfinder Rank, do the following:

Senior Scout Ideas

1. Satisfy your parents and Scout Leaders that you are doing your best to live by the Scout Oath and Law and the Senior Scout Code.
2. Produce satisfactory evidence from your spiritual adviser that you have been continually faithful to your religious obligations.

Social Activities

3. Demonstrate the general rules of conduct in using the telephone, calling at another's home, respect due to elders and women; and proper behavior during meals, dances, and other social occasions.

Vocational Activities

4. (a) Earn, through your own livelihood, project, and keep in a savings account the equivalent of at least three day's minimum daily wage of a worker.

(b) Discuss with your Outfit Advisor your 3-year plan for a vocational career path you will pursue after earning the Pathfinder Rank.

Service Activities

5. Plan and conduct a safety and accident prevention inspection in your school or community. Identify safety hazards and remove them in coordination with your school or community officials.

Outdoor/Indoor Activities

6. In camp, demonstrate First Aid for poisoning, fractures (simple and compound), and heart attack. Demonstrate the procedures for cardio-pulmonary resuscitation (CPR) and standard transportation of the injured.
7. In camp, make improvised camp equipment, emergency bridges, rafts, or other needed camp infrastructure using the various kinds of lashings.
8. Send and receive accurately by International Morse Code (using a sound device) a message of at

least fifty (50) words over a distance of at least 500 meters.

9. On a hike or in camp, find and identify ten (10) different edible fruits and roots or six different kinds of wildlife explaining their habits and habitat and how to take care of them so that they will not become extinct; OR demonstrate your concern for animal life in the town by building and caring for birdhouses, dog/cat houses, chicken coops, etc.

10. In camp, point out the four main types of clouds and tell how they help in weather predictions.

11. With the use of a compass, lay out an orienteering course of at least one (1) kilometer using compass azimuths and distances and which requires measuring distances, heights, and widths (rivers, treas, etc.). Point to the North during day and at night time without using a compass.

12. Demonstrate your ability to swim at least fifty (50) meters using any of the following stroke: Breast Stroke, Crawl Stroke, Side Stroke and Elementary Back Stroke. Float as motionless as possible in deep water for at least one minute. Explain the 8-point Safe Swim Defense Plan. Demonstrate three (3) non-swimming methods of rescuing a drowning person.

13. Demonstrate your ability to cook breakfast, lunch, and dinner for one Crew in camp, observing the proper methods of preparing cooking fires, serving the Crew, and cleaning up mess.

14. Plan and go on a hike and weekend camp, presenting yourself for camping suitably clothed and provisioned for the weather and place of camp. While in camp, demonstrate correct method of caring for food, drinking water, proper tentage, and waste disposal. Break camp in such a way that nobody will know you ever stayed there.

15. Earn the CITIZENSHIP IN THE COMMUNITY, FILIPINO HERITAGE, FIRST AID, and

Outdoorsman Rank Requirements

For a period of at least five (5) months as a holder of the Pathfinder Rank, do the following:

Senior Scout Ideas

1. Satisfy your parents and Scout Leaders that you are doing your best to live by the Scout Oath and Law and the Senior Scout Code.
2. Attend regularly to the religious services of your faith. Bring a friend of the same faith with you.
3. Convince your Crew members that you have developed the personal values of courtesy, respect, industry, and cooperation through your behavior and interactions with them.

Social Activities

4. Demonstrate proper conduct in boarding and alighting from a conveyance with a lady and/or an elderly person and proper decorum when you meet someone you know on the street.

Vocational Activities

5. Using your 3-year vocational plan developed in the Pathfinder Rank, explore and report on at least five (5) occupations in your chosen field, indicating the job opportunities, preparations, and training

involved, and advancement within each occupation.

Service Activities

6. With your Crew, plan and participate in a special community service project such as reforestation, garbage disposal, soil/water conservation, healthful environment information campaign, etc.

Outdoor/Indoor Activities

7. On a 3-day hike or camping expedition, draw a road map of at least three (3) kilometers, showing important features within 20 meters on both sides, using compass bearings and distances, and indicating conventional signs and familiar landmarks; OR with your Scout Examiner, bring a visitor on a tour of your town or province, pointing out the significant tourist spots and landmarks and explaining their history or significance.

8. Earn the CITIZENSHIP IN THE NATION, PHYSICAL FITNESS, SWIMMING, SOIL AND WATER CONSERVATION, and WEATHER Merit Badges in addition to those previously earned.

Venturer Rank Requirements

For a period of at least six (6) months as a holder of the Outdoorsman Rank, do the following:

Senior Scout Ideals

1. Satisfy your parents and Scout Leaders, that you are doing your best to live by the Scout Oath, Law, Motto, and Slogan.
2. Receive religious instruction with a friend of the same faith.
3. Make a survey of values, beliefs, and practices in your community. Examine their importance to the life of the people in the community. Analyze these values and beliefs in relation to the Scout Oath and Law and determine which values/beliefs that need to be changed, improved, or modified to make a better community. Present this to your Crew for their approval.

Social Activities

4. As a member of the Social Committee of your Crew or Outfit, participate in planning and conducting an indoor or outdoor social activity involving members of the opposite sex.

Vocational Activities

5. Individually or with a companion who is also interested in your chosen vocational field, study and earn one (1) SPECIALIST RATING (involving three merit badges).

Service/Outdoor Activities

6. Be a member of the Emergency Service Corps in your community/school and participate in at least one rescue or other emergency situations and/or On a 3—day survival expedition in an approved Scout

camping site, staying in an improvised shelter, making improvised utensils and camp gadgets, and cooking your food without cooking utensils. Afterwards, clean up camp such that there are no signs or marks of your having stayed there.

7. In addition to the Merit Badges earned in the previous ranks, earn the CAMPING and EMERGENCY PREPAREDNESS Merit Badges.

Eagle Scout Rank Requirements

For a period of at least six (6) months as a holder of the Venturer Rank, do the following:

Senior Scout Ideals

1. Satisfy your parents and Scout Leaders, that you are doing your best to live by the Scout Oath and Law and the Senior Scout Code.
2. Show evidence that you are faithful in observing your religious obligations.
3. Participate or lead in an Institutional or District activity involving the development of your people's attitude and values.

Social Activities

4. Lead in planning and conduct an Outfit or Crew social activity, either indoors or outdoors, involving young people or mixed groups.

Vocational Activities

5. Within your chosen area of vocational/avocational study, earn a second SPECIALIST RATING (involving three additional merit badges). Make an individual vocational training/development plan to pursue your chosen occupation and secure the approval of your Outfit Advisor.

Service Activities

6. As a leader, plan and carry out two (2) community service projects designed to improve the physical environment in your community.

Outdoor/Indoor Activities

7. With a companion, go on a 4-day survival expedition during rainy season to an approved Scout camping area, bringing with you only a compass and map, raincoat, knife, and waterproof matches and living off the land. After the expedition, present yourself to your Troop Leader to show you are still healthy, and narrate your experiences.
8. Earn the WORLD BROTHERHOOD and LIFE SAVING Merit Badges in addition to those previously earned (including those for the Specialist Rating).

The Merit Badge Scheme

Merit Badges give you a chance to add to the skills you learn and apply in Scouting. They give you a chance to try out several activities so you can discover which of these you like best and which interest you most. You will also discover your natural abilities and be able to choose your future career.

For example, some Scouts who like first aid later became doctors. Some who like to take care of plants became agriculturists.

So there is a good reason for you to try to earn Merit Badges besides just learning new skills and advancing in your Scouting.

So take it seriously. There are many people who are ready to help you – your Troop Leader/Outfit Advisor, their Assistants, and the Merit Badge Counselors.

Steps in Earning a Merit Badge

Some Merit Badges are required – you have to earn them. Others, are electives – you can select from a certain grouping called Specialist Rating.

1. Determine what Merit Badges are required.
2. If it is an elective, select the one that interests you most from the Group. If you cannot make a choice, ask your Troop Leader/Outfit Adviser to advise you.
3. After you have identified the Merit Badge you need or want, tell your Troop Leader/Outfit Adviser. He will help you fill up the Merit Badge Application Form and sign it.
4. The Troop Leader/Outfit Advisor will tell you who your Merit Badge Counselor is and he will introduce you to him.
5. You will have two or more meetings with your Merit Badge Counselor.
 - a) During your first meeting with your Counselor he will explain the subject and teach you everything he knows. He will suggest books or pamphlets you can read. He will also assign you a project to do by yourself at home, on your own time. If at anytime you need his help, he will be available.
 - b) During the second meeting you will bring your completed project, and the Counselor will talk to you and try to find out if you have really studied and complied with the requirements. If he is satisfied that you know the subject, he will sign your Application Form and certify that you have earned the Merit Badge. If he is not satisfied the Merit Badge Counselor will advise you what else to do and ask you to try again. You may have other meetings with him until he is satisfied that you deserve the Merit Badge.
6. You return the Application Form now signed by the Merit Badge Counselor to your Troop Leader/Outfit Advisor who will then submit it to the Board of Review.
7. Present yourself at the Board of Review. Be sure to bring with you the required projects or

assignments you completed pertaining to the Merit Badges you are applying for.

8. In due time you will be presented your Merit Badge at an appropriate ceremony.

Procedures for Earning a Specialist Rating

To qualify for a Specialist Rating, a Scout must do the following:

1. Select a Specialist Rating from the list. In consultation with your Troop Leader/Outfit Advisor, develop an exploration plan involving certain Merit Badges listed under the particular Specialist Rating selected. At least three (3) Merit Badges are required in qualifying for a Specialist Rating. Merit Badges in the present Specialist Rating which have already been earned by the Scout in his advancement are not credited towards the rating.

2. After earning the required three (3) Merit Badges, plan and carry out a service project in that field which involves the skills earned in meeting the Merit Badge requirements. The project shall be undertaken either in the home, school, church, Troop/Outfit, neighborhood, or community. The project must be approved first by the Troop/Outfit Leaders' Council.

It is necessary that the Scout undertakes corresponding projects for the Rating field he has selected.

3. In the Board of Review on the Council level, the following matters should be asked concerning the Rating earned:

a) If a rating relates to the vocational field, report on skills an individual must know for employment purposes.

b) Other than the ratings on the vocational fields, the Scout should relate the other skills acquired from the activity.

List of Specialist Ratings

I. SCOUT AIRMAN

Aviation

Electricity

Radio

Signaling

II. SCOUT AQUAMAN

Seamanship

Signaling

Swimming

Weather

III. SCOUT ARTISAN

Architecture

Automobiling

Carpentry

Chemistry

Electricity

Masonry

Plumbing

Surveying

IV. SCOUT ARTIST

Architecture

Art

Dramatics

Painting

Pottery

Photography

Sculpture

V. SCOUT CONSERVATIONIST

First Aid

Forestry

Life Saving

Public Health

Safety

Soil & Water Conservation

Weather

VI. SCOUT CRAFTS MAN

Basketry
Barbering
Blacksmithing
Bookbinding
Carpentry
Handicraft
Leathercraft
Masonry
Metal Work
Plumbing
Pottery
Printing

VII. SCOUT DAIRYMAN

Dairying
Public Health
Soil & Water Conservation
Weather

VIII. SCOUT FARM MANAGER

Animal Study
Bee Keeping
Business
Forestry
Salesmanship

XI. SCOUT GARDENER

Agriculture
Bee Keeping
Botany
Environment

Forestry
Gardening
Soil & Water Conservation
Weather

X. SCOUT JOURNALIST

Business
Computers
Interpreting
Journalism
Photography
Printing
Reading

XI. SCOUT LIVESTOCKMAN

Animal Study
Livestock Raising
Soil & Water Conservation

XII. SCOUT POULTRYMAN

Agriculture
Duck Raising
First Aid
Forestry
Gardening
Pigeon Raising
Poultry Raising
Public Health
Safety
Soil & Water Conservation

XIII. SCOUT RADIOMAN

Astronomy

Electricity

Radio

Signaling

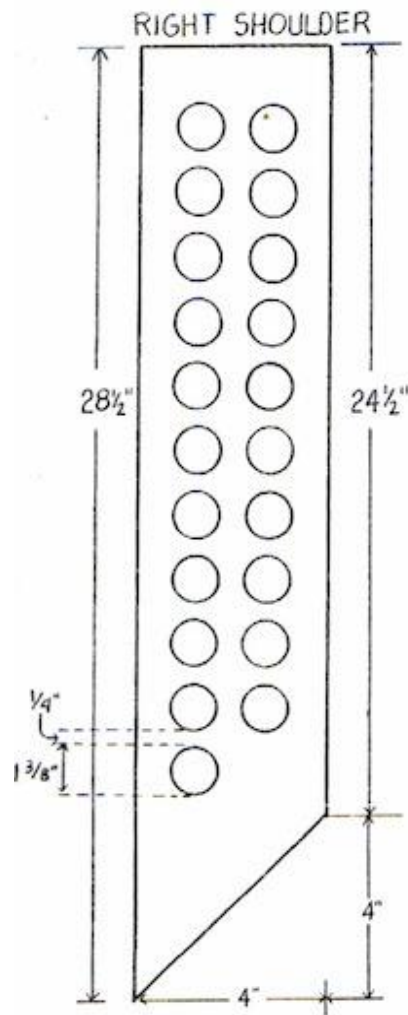
Weather

Wearing the Merit Badges

You will certainly be proud to wear the Merit Badges you already earned. These badges are to be worn on a Merit Badge Sash.

The Merit Badge sash is made of the same material as the pants of your uniform. It is worn over the right shoulder, cutting diagonally across the chest with the other edge touching the left hip bone.

The sash may be bought from your local Scout Shop. The badges earned are sewn on the sash in two rows one-fourth inch (1/4") apart from each other. The first two (2) badges should be sewn in such a way that when the sash is worn, they are just at the intersection of an imaginary line that runs along the middle of the sash and the one that runs vertically along the middle of your shirt. The succeeding badges are sewn alternately starting above then below the first two (2) badges. The bottom portion of the badges should be perpendicular to the edges of the sash.



The Merit Badge sash should be worn only during the following occasions:

1. When attending Courts of Honor/Recognition and/or other ceremonial functions.
2. When visiting Jamborees, Youth Forums, and other Scouting activities of at least municipal/district level.
3. When appearing before a Board of Review.
4. During such occasions as may be prescribed by appropriate authority.

Scout Anahaw Award

After a Scout has earned the Eagle rank and before reaching the age of 17 years, he can pursue additional advancement to gain the **ANAHAW Award**. In addition to the 21 Merit Badges for the Eagle Scout Rank, the **Anahaw Award** may be granted, as follows:

- a) For any 2 additional Specialist Ratings after earning the Eagle Scout Rank – Bronze *Anahaw* Award

- b) For any 4 additional Specialist Ratings after earning the Eagle Scout Rank – Silver *Anahaw* Award.
- c) For any 6 additional Specialist Ratings after earning the Eagle Scout Rank – Gold *Anahaw* Award

The *Anahaw* Award is in the form of a metal *Anahaw* leaf to be pinned on the ribbon portion of the Eagle Medal.

A Scout with the Eagle rank has the liberty to select any category of Specialist Ratings.

The Bronze *Anahaw* award shall be given only after at least three (3) months of satisfactory service in the Eagle Scout Rank.

Subsequent *Anahaw* awards may be made for intervals of not less than four (4) months service following the conferment of the previous *Anahaw* Award.

***Anahaw* Award Procedure:**

1. The Scout meets the necessary Specialist Ratings requirements and completes the Application Form for the *Anahaw* Award. The Senior Patrol/Crew Leader approves this application which is then endorsed by the Troop Leader/Outfit Advisor.
2. The Scout appears before a Council Board of Review consisting of at least three members one of whom must be a Scout who has himself attained either Eagle, Jose Rizal, or Scout Citizen rank. The Council Scout Commissioner for Program shall be ex-officio member of the Board.
3. The Scout is reviewed not only on his additional earned Specialist Ratings, but must also show evidence that he has:
 - a) Continued to live by the Scout Oath and Law and (for Senior Scouts) the Senior Scout Code.
 - b) Maintained active service relationship to Scouting in any leadership capacity.
4. The Council Board of Review submits a report to the Council Office where the Scout is credited with his specific *Anahaw* Award.
5. The Scout is presented with his *Anahaw* Certificate and Pin at an appropriate Council Court of Honor.

MERIT BADGE REQUIREMENTS

Agriculture



1. Explain the nature of soil, its texture, its need of water, of air and of plant and animal life; what the soil does for the plant and how soil may be improved and conserved.
2. Do the following:
 - a) Prepare a seedbed and test the germination of three (3) chosen varieties of 100 seeds of each variety.
 - b) Identify and describe ten (10) common weeds in the locality and tell how best to eliminate them.
 - c) Identify six (6) common insect pests; tell what plants they usually infest and how best to control them.
3. Have a practical knowledge of hoeing, plowing, harrowing, the use of rake and a roller, irrigating and draining, planting and harvesting, and the purposes of each. Describe the implements used in each case.
4. Tell how plants are propagated by seeds, roots, cuttings, and grafts. Explain where plants get their food and how they grow.
5. Name and identify ten (10) common birds in his locality and state their value to the farmer.
6. Tell what part the carabao plays in present-day farming.
7. Explain how farming may be modernized and what steps are now being taken by the government to attain this end. Tell the advantages of modernized farming.

Animal Study



1. Make five (5) field trips of at least two hours each (preferably on different months of the year) to observe wild animal life. Keep records of such trips, listing all animals seen, with date, place, nature of locality and observations of animals and their habits. (Photographs, sketches, track casts, etc. will add interest to this record).
2. Using the “keys” of the modern system of classifying animal life, classify at least five (5) animals of different phyla which he himself selects.
3. Find out the life processes that are common to all animal life (birth, self-protection, feeding, breathing, etc.). Keep a record of personal observation of the life cycle and habits of at least two (2) animals of different phyla.
4. On a map of his locality (showing such things as forests, plains, streams, marshes and areas, etc.) indicate animals found in each habitat. Know what is being done in the country to protect wild animal life.
5. Carry out one of the following projects:
 - a) Keep a young animal (completely weaned from mother) such as a rabbit or a guinea pig for at least three (3) months. Keep a record of its life cycle and habits;OR
 - b) Maintain an aquarium or “toad pan” for at least three (3) months. Stock from local ponds, streams or marshes. Watch development from egg on, of frogs, toads, turtles, fish or whatever animal he has chosen for special observation. Keep a record of its life cycle and habits;OR
 - c) Submit at least ten (10) photographs or sketches based on his own observation, of microscopic life in the field for at least three (3) months.

NOTE: Animals, in the zoological sense, include all living organisms other than plant Life, from amoeba up through man. However, since birds, reptiles, amphibians, and insects are covered in other Merit Badge subjects, choose other examples of animal life for these requirements.

Archery



1. Name and explain the archery safety rules.
2. Do all of the following:
 - a) Name the parts of an arrow.
 - b) Name the parts of a bow.
 - c) Describe the following accessories – armguard, shooting glove or finger tab, quiver.
3. Do all of the following:
 - a) Explain proper care and how to store the bow, bowstrings, and arrows.
 - b) Make a bowstring.
 - c) Fletch six arrows.
 - d) Explain the following terms – cast, weight of bow, fistmele, methods of aiming, spine, target arrow, field arrow, and hunting arrows.
4. Shoot with bow and arrows one of the following:
 - a) A field round for 14 targets and make a score of 60 points.
 - b) A Boy Scout field archery round for 14 targets (56 shots) and make a score of 75 points.
 - c) A junior American round on a standard 48-inch target and make a score of 250 points.
 - d) A national indoor round for 10 targets and make a score of 30points.
 - e) A Chicago round on a standard 16-inch target and make a score of 250 points.
5. Explain the following:
 - a) The difference between field archery and target archery.
 - b) Field round, hunter's round, animal round, Boy Scout field archery round, American and

junior American rounds, national indoor round, and Chicago round.

Architecture



1. Present a free-hand drawing of geometric objects grouped together, decorative pattern, or architectural motif.
2. Draw without accurate measurements, the five (5) orders of classical architectures, the drawings being of the character of sketches, but preserving the properties.
3. Write an outline of the important periods of architectural development, giving the name of each style and the architects identified with it.
4. Write a brief historical outline of the development of architecture in the Philippines and name important architects identified with each period.
5. Submit an original design of a two-story house, a list of materials necessary for its construction, giving an outline of specifications, the design to consist of working drawings at scale drawn in ink or pencil on tracing paper suitable for printing.
6. Present clippings of at least five (5) examples of the following styles of architecture giving the name of their architects and country identified with each:
 - a. Classical
 - b. Romanesque
 - c. Gothic
 - d. Renaissance
 - e. Contemporary International
7. Submit sketches of typical Malay, Indian (Hindu), Japanese, Chinese, Muslim, or any oriental style

of architectural motifs and decorations.

8. Present a miniature model of an ideal and well-planned townsite or campsite.

Art



1. Tell a story with a picture or pictures. This story may be told in the form of a cartoon, cartoon strip, mural, or tapestry design rendered in any medium.

2. Promote a product or an idea with a picture or pictures. This may take the form of an advertisement layout for a magazine, a display card, a package, a poster, an industrial design, an architectural structure, or an interior decoration.

3. Record in an art medium something you have done or seen.

4. Decorate something with an original design, derived either from nature or an impressionistic or geometric pattern.

5. Design something useful – a book, furniture, house, rooms, vehicle, clothing, costume, etc.

6. Render a subject of your choice in four of these six methods:

- a) Pen and ink
- b) Watercolor
- c) Pencil
- d) Pastel
- e) Oil
- f) Tempera

Astronomy



1. Identify in the sky
 - a) ten (10) conspicuous constellations, including at least four (4) in the Zodiac, and
 - b) at least eight (8) stars of first magnitude.
2. Chart the position of Venus and Mars among the stars over a period of at least four (4) weeks, and state the exact period of his observations.
3. Sketch the position of the Dipper in relation to the North Star and the horizon early some evening and again six (6) hours later the same night. Record the hour and the date of making each sketch.
4. Indicate in the sky the limits of the group of stars which, as seen from his latitude, never set. By his own observations, determine whether the Big Dipper or Cassiopeia ever sets.
5. Draw a diagram showing the relative positions of the sun, moon, and earth at new moon, first quarter, full moon, and last quarter. Draw a diagram showing the positions of the sun, moon, and earth during an eclipse of the sun and another during an eclipse of the moon.
6. Explain the principal cause of tides. Draw a diagram showing the relative positions of the sun, moon and earth during high and low tides
7. Explain the principal difference between a reflecting and a refracting telescope. Show these by a simple diagram.

Athletics



1. Write an article of not less than three hundred (300) words on how to train for an athletic event.
2. Give the rules for two track and two field events and tell what an amateur athlete is.
3. Prepare plans for the holding of an athletic meet, specifying duties of each official.
4. Demonstrate the proper form in running, high jump, overhand throw, and shotput.
5. Do the following:
 - a) Prepare a daily drill of ten (10) exercises for Scouts, giving proper exercise for the whole body, presenting evidence of having taught the same for two or more boys for a period of three months.
 - b) Demonstrate reasonable skill in at least two outdoor games, requiring physical development.
 - c) Walk ten (10) kilometers in two hours without appreciable exhaustion.
6. Qualify, according to your weight, in each of the groups in the following table.

TABLE OF ATHLETIC EVENTS							
	<i>Under 75 lbs</i>	<i>Under 95 lbs</i>	<i>Under 110 lbs</i>	<i>Under 125 lbs</i>	<i>Under 140 lbs</i>	<i>Under 160 lbs</i>	<i>Under 175 lbs</i>
<u>Group 1</u>							
Running Broad Jump	10 ft. 2 in.	11 ft. 6 in.	12 ft.	13 ft.	14 ft.	15 ft.	16 ft.
Running High Jump	3 ft. 2 in.	3 ft. 6 in.	3 ft. 9 in.	4 ft.	4 ft. 3 in.	4 ft. 2 in.	4 ft.
Standing Broad Jump	5 ft. 10 in.	6 ft. 3 in.	6 ft. 9 in.	7 ft. 2 in.	7 ft. 4 in.	7 ft. 6 in.	7 ft. 4 in.
<u>Group 2</u>							
50-yard Dash	8 sec.	7 4/5 sec.	7 3/5 sec.	7 1/5 sec.	7 sec.	6 3/5 sec.	7 sec.
100-yard Dash	–	–	–	13 sec.	12 3/5 sec.	12 2/5 sec.	12 4/6 sec.
<u>Group 3</u>							
20-yard Swim	19 3/6 sec.	18 2/5 sec.	17 4/5 sec.	17 1/5 sec.	16 3/5 sec.	16 sec.	15 sec.

40-yard Swim	47 sec.	40 sec.	39 sec.	38 sec.	37 sec.	36 sec.	35 sec.
<u>Group 4</u>							
Pull-Up	3 times	5 times	6 times	8 times	10 times	12 times	10 times
8-lb Shot Put	15 ft.	20 ft.	24 ft.	28 ft.	32 ft.	34 ft.	36 ft.
Push-Up From Floor	7 times	9 times	10 times	12 times	14 times	16 times	17 times
Rope Climb 18 ft	29 sec.	17 sec.	15 sec.	13 sec.	11 sec.	14 sec.	17 sec.
<u>Group 5</u>							
Baseball Throw for Accuracy (3 strikes, 6 throws)	42 ft.	48 ft.	51 ft.	54 ft.	57 ft.	65 ft.	70 ft.
Baseball Throw for Distance	120 ft.	150 ft.	175 ft.	195 ft.	210 ft.	220 ft.	230 ft.
Basketball Goal Shooting (30 sec)	5 in 8	5 in 8	6 in 9	7 in 10	8 in 11	9 in 12	10 in 13

Automobiling



1. Examine and check conditions of the following features of an automobile carefully:

- a) Windshield wiper
- b) Adjustment of rear view mirror
- c) Headlights for all headlight switch positions. Reflector surfaces. Cleanliness of lenses and that bulbs are free from blackening.
- d) Elevation and focus of headlight beams
- e) Tail and stop lights
- f) Windshield and rear window visibility
- g) “Play” in steering wheel
- h) Adjustment of brakes
- i) Tires

2.
 - a) List ten (10) important motor vehicle regulations in his province or city.
 - b) Give the necessary qualifications (including age) before a person can legally drive a vehicle in the Philippines.

3. Explain how drinking intoxicating liquor increases vehicular accidents as, for example, its effect on the driver's vision, judgment, and coordination.

4. Tell how many meters a driver on a dry road with brakes in good condition who sees danger ahead, requires to stop his car running 130 kilometers an hour; 50 kilometers; 70 kilometers.

5.
 - a) Do the following:
 - [1] Name at least six (6) sound driving practices which make for safety and courtesy on the road.
 - [2] Name at least four (4) important characteristics of a good driver.
 - [3] Demonstrate hand signals, using both single hand position and three position systems; give the meaning of each.
 - b) Explain:
 - [1] The purpose of clutch, gear shift, accelerator, choke and brakes; describe briefly how each works.
 - [2] How to stop a car on a wet or muddy road.
 - [3] What to do when end skids to right; to left.
 - [4] What to do when stop lights of a car ahead blinks.
 - [5] What to do when a blow-out occurs at high speed.
 - [6] Interpret readings of different gauges and meters on panel board.
 - c) Change a tire.
 - d. Do the following:
 - [1] Start a motor; put car in gear; shift gears.
 - [2] Come smoothly to full stop from speed of thirty (30) kilometers an hour.
 - [3] Make right and left turns from proper traffic lanes, giving proper signals at proper time.
 - [4] Park in a space of eight (8) meters.
 - [5] Start a car after stopping on an upgrade (away from curb); park on an upgrade and on a down grade. Show how to get off sand or mud.
 - [6] Turn around in order to go in opposite direction between lines or markers nine (9) meters apart.

[7] Back up a car parallel to a curb.

6. Demonstrate his ability to stop a car going at a speed of 30 kilometers per hour so that nose of car fits into a chalk-marked U-shaped box two (2) meters wide. Bumpers should be over front line of the box and tires inside sidelines.

Aviation



1. Know what aviation means, its importance, how it affects the world, and the progress of aviation in the Philippines.
2. Define aircraft. Describe some kinds of aircraft in use today.
3. Outline at least five (5) uses of aircraft.
4. Identify and explain the purpose of the following aircraft instruments:
 - a) Altimeter
 - b) Airspeed Indicator
 - c) Compass
 - d) Turn and Bank Indicator
 - e) Tachometer
 - f) Oil pressure gauge
 - g) Temperature gauge
5. Show a knowledge of the International Phonetic Alphabet.