



Royal Rangers

Merit Requirements: [Blue-Bordered Merit](#)

ASTRONOMY

1. Define astronomy and name two important astronomers.
2. Explain the major differences between the following: planets, moons, stars, comets, asteroids, meteoroids, solar systems, and galaxies.
3. Find one interesting fact about each planet in our solar system. Draw a chart or make a display showing their differences in size and distance from the sun.
4. Explain what is meant by light-year. Give the distance in light-years to the nearest star and the estimated distance to the farthest galaxy.
5. Explain the difference between an asterism and a constellation.
6. Do ONE of the following:
 - a. Find a total of at least five asterisms and/or constellations in the sky.
 - b. Visit a planetarium or observatory.
7. Explain why the stars seem to twinkle and why the North Star is important in finding directions in the northern hemisphere.
8. Sketch the moon's position in the sky on three different nights during a one-week period. On one of those nights sketch its position once an hour for three hours. Answer these questions:
 - a. Did you observe a change in the moon's position from night to night and hour to hour?
 - b. What direction does the moon travel?
 - c. What causes the moon to have different shapes, called phases?
 - d. What causes the moon to "move" in the sky during the night?
9. Do ONE of the following:
 - a. With a small telescope or binoculars, study the moon, stars, and planets on three different nights. Keep notes to compare what you observe each night when identifying each object.
 - b. With the aid of an astronomy book, star chart, or web site, make drawings of the northern and southern skies as they look for the current season of the year, with at least five major constellations placed in their proper positions.
10. Give three Scripture references regarding the stars, moon, planets, sun, constellations, etc.



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BASIC SIGN LANGUAGE

1. Demonstrate the sign language alphabet from memory.
2. Demonstrate the numbers 1-10 in sign language.
3. Demonstrate the following groups of signs from memory.
 - a. Jesus, God, Father, Son, Holy Spirit, Savior
 - b. Bible, love, give
 - c. Sin, forgive, sorry, confess, believe
 - d. Heaven, eternity, world
 - e. Ten other signs of your choice
4. Recite John 3:16 from memory in sign language.
5. Demonstrate a Christian song in sign language.



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BASKETRY

1. Do ONE of the following.
 - a. Write a 250-word report on the history of basketry.
 - b. Write a step-by-step process for the basket or tray weaved for Requirement 4.
 - c. Interview or write and receive a response from a Native American basket weaver about the history or methods used when making a basket.
2. Make a list of at least five different materials used for basketry.
3. Describe and provide an example (picture of the technique is sufficient) of at least three basketry techniques.
4. Plan and weave a large basket or tray. Use any of the materials listed in Requirement 2.
5. Weave a seat for a stool or chair. Use cane or rush.



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BB GUN

1. Complete the Firearm Safety Merit and Marksmanship Merit.
2. Range set-up
 - a. Gun: Only a smoothbore, spring-type air gun may be used.
 - b. Ammunition: Lead or steel balls.
 - c. Target options: Either AR-4 or TQ-40 targets may be used.
 - d. Distance: 5 meters (approximately 16 feet).
 - e. Rules: NRA 5-Meter BB Gun Rules apply.
 - f. Position: Any (prone, sitting, kneeling, or standing).
 - g. Course of fire: Ten bull's-eyes (targets) must be fired. Each bull's-eye must contain five shots, and the total score for the five shots must meet or exceed the required score of 25 for prone or 20 for sitting, kneeling, or standing. The bull's-eyes do not have to be fired consecutively or in the same session. (Option: The number of shots per bull's-eye may be reduced if scoring becomes difficult. Example: three shots on one bull's-eye and two shots on another.)
3. Score: Minimum of 25 points on each of ten targets.



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CHES

1. Demonstrate how to properly set up a chessboard.
2. Learn the names of each piece and how each chess piece moves.
3. Define the following terms:
 - a. Check
 - b. Checkmate
 - c. Stalemate
 - d. Pinning
 - e. Forking
 - f. Capturing
 - g. Center position
 - h. Limits
 - i. Mobility
 - j. Open line
 - k. Promotion
 - l. Castling
 - m. Rank
 - n. File
4. Tell, briefly, how to use a chess game timer.
5. Demonstrate how to open up a game with the focus being mobility, reducing limits, and securing a strong center position.
6. Demonstrate the following:
 - a. How to put a king in check
 - b. How to avoid check/checkmate
 - c. Checkmate
 - d. Pinning
 - e. Forking
 - f. Capturing
 - g. Promotion
 - h. King-side castling
 - i. Queen-side castling
 - j. When castling cannot occur
 - k. How to start a game and which color begins the game
7. Play at least three games of chess.



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COIN COLLECTING

Note: Rare and expensive coins are not required.

1. Choose a theme for your collection from ONE of the following:
 - a. A type set of U.S. coins of a given year or set of years. Have at least one coin from each mint in your type set.
 - b. A set of coins of a particular language, country, or region.
 - c. A time period in history, whether contemporary coins or coins that are out of circulation. Examples might include ancient or biblical coins, colonial coins, crowns, WWII, or any other period of history.
 - d. A set of commemoratives celebrating a special anniversary, the Olympics, the United Nations, Independence Day, coronations or other special events. Recent U.S. examples might include state quarters, Bicentennials or modern U.S. dollars.
 - e. Coins with a particular object on them that is of interest to you such as dinosaurs, famous people, places, plants, animals, or ships.
 - f. A set of one series of coins starting with your birth year to the present.
 - g. Medals, tokens, or some other special coin that did not actually serve as currency.
 - h. Unusual objects that have served as money in various parts of the world such as shells, tea, money made of wood or plastic, siege money, or postage stamps.

In your type set, identify the mintmark on each coin. Describe when each mint first started minting coins. Determine if that mint is still producing coins.

For each coin in your type set, point out the location of the initials (if any) of each coin's designer(s).

2. Describe the several forms of money used today and in the past.
3. List the different kinds of metals or alloys used to make your coins.
4. Explain the steps necessary to identify a coin of unknown origin.
5. List and describe the various grades of coins. Include four examples.
6. Make expanded views of both sides of four different kinds of coins minted at any time.
7. Describe three things to look for in detecting counterfeit coins.
8. Explain how to clean coins in a way that won't damage them.
9. Describe why polishing, dipping, or defacing a coin decreases its value.
10. Explain how to store coins in a way that will keep them safe from damage or theft.
11. Describe the special advantages and disadvantages of collecting paper currency. Describe the special care needed for preserving paper money.
12. Identify three measures used to discourage the attempt to counterfeit U.S. paper currency.



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COLLECTIONS

Note: The work used for the Stamp Collecting Merit and Coin Collecting Merit cannot be applied to this merit.

1. Choose an item or object to collect that was not already used to complete a requirement in another Royal Rangers collection merit. (Costly items are not required or recommended.) Receive the approval of your parents and commander for the items to be collected.
2. Write a 150-word essay discussing the following things about your collection.
 - a. Why did you choose this item to collect?
 - b. Describe any personal, historical, cultural, or spiritual significance of what you are collecting.
 - c. How long have people collected this item?
 - d. How popular is this collection?
 - e. Write a plan to expand your collection.
3. Describe how to store and display your collection so that the items are preserved undamaged.
4. Demonstrate how to clean one of the items in your collection without damaging it.
5. Describe the classification system you will use in your collection.
6. Describe how the items in your collection are created.
7. Describe how the items in your collection are prepared for display.
8. Find the highest value paid for an item that would fit into your collection.
9. Describe and demonstrate how to repair an item in your collection.
10. Collect at least twenty specimens of the object you have chosen and mount them in the display you have described. Label them with brief descriptions and the dates you collected them. Any special characteristics should also be noted. Display your collection to your Royal Rangers group. If your collection is too large to transport, provide pictures.



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DARTS

1. List at least three general rules and three rules governing scoring.
2. Read a book on the history of darts or write a 250-word essay on the history of darts.
3. Draw a layout of a dartboard playing area including the measurements.
4. Identify the four main parts of a dart. Write a 25-word description of each part.
5. List the rules for each game below:
 - a. Cricket
 - b. 501
 - c. Mickey Mouse
6. Play two each of the above games. Keep a written score and turn it in to your commander.
7. Define the following terms:
 - a. Bull's-eye
 - b. Bust
 - c. Close
 - d. Double
 - e. Double In
 - f. Double Out
 - g. Downstairs
 - h. Easy In or Straight In
 - i. Hat Trick
 - j. Island
 - k. Leg
 - l. Oche, Throw Line, Toe Line
 - m. Rubber Match
 - n. Shut Out
 - o. Slice
 - p. Spider
 - q. Triple
 - r. Upstairs



Royal Rangers

Merit Requirements: [Blue-Bordered Merit](#)

DISABILITY AWARENESS

1. Demonstrate the sign language alphabet from memory.
2. Explain what is meant by accessibility. List some things that can be done to make a church building accessible to people with disabilities.
3. Define people-first language. Give examples.
4. Participate in the following awareness activities (can be done during Recreation time):
 - a. Eat a meal "family style" with everyone at the table blindfolded.
 - b. Go on a short hike blindfolded. Follow the instructions of your commander or senior guide.
 - c. Play a game of charades. You must successfully demonstrate what you want to say without being able to write or speak.
 - d. Set up a tent with mittens on your hands.
 - e. Play a game of soccer while blindfolded (use a ball with a beeper in it).
5. Give examples of adaptive equipment for
 - a. Persons with blindness
 - b. Persons with deafness
 - c. Persons who use wheelchairs
 - d. Persons with other disabilities
6. Define developmental disability. Give at least three examples of developmental disabilities.
7. Give three Scripture references regarding people with disabilities.



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Merit Requirements: **Blue-Bordered Merit**

DOG CARE

1. Breeds and physical characteristics
 - a. Name and describe some of the main differences between at least four of the major groups of dogs.
 - b. Pick eight different breeds of dogs and list some of the special characteristics that make each breed unique and different from other breeds.
 - c. Describe what characteristics of dogs are judged at major dog shows.
 - d. Correctly label at least twelve parts of a dog's body on a drawing.
2. History
 - a. Write a one-page essay on the history of your favorite breed of dog.
 - b. Do ONE of the following:
 - i.) Write a one-page essay about dogs' benefits and relationship to man.
 - ii.) Write a one-page essay on why dogs are so popular as pets.
3. Health care
 - a. Describe at least six major things that are important to keep a dog healthy and active.
 - b. Visit or call a local veterinarian's office and ask about what kinds of common ailments they see in dogs, how much it costs for an office visit, and how often regular checkups on dogs should be scheduled.
 - c. Describe the symptoms and treatment of at least three different diseases commonly found in dogs.
 - d. Describe at least four things important for care of a new puppy after it is brought home.
 - e. Describe correct methods to remove ticks and fleas from a dog.
 - f. Describe how to approach and care for a wounded dog.
 - g. List some important items to include in your dog's first aid kit.
 - h. Describe how to prevent and properly treat a dog bite.
4. Training and obedience
 - a. Demonstrate three different commands with a dog.
 - b. Describe a good method of training a dog to obey a command or perform a new trick.
5. Measuring commitment
 - a. Provide complete care for a dog for one month. Write out and keep a daily schedule that includes feeding and watering times, exercise, grooming and bathing. Have a parent or other adult sign your schedule when completed.
 - b. Determine how much it costs to feed a medium-size dog for one year.
 - c. Find out and list your local town's laws or regulations for dogs.
 - d. Visit or call a local animal shelter and ask why people give up dogs for adoption and how people can adopt a shelter dog.



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Merit Requirements: [Blue-Bordered Merit](#)

FIREARM SAFETY

1. Successfully complete the Royal Rangers Firearm Safety Merit Course or another approved Daisy Shooting Education course, such as Jaycees, 4-H, etc.



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Merit Requirements: [Blue-Bordered Merit](#)

FISHING

1. Write a 100-word essay on the subject of fishing. Write at least one sentence each about any five of the following: hand fishing, spear or harpoon fishing, ice fishing, night fishing, a hand line, using a cane or willow pole, bait casting, spin casting, fly-fishing, saltwater fishing, bank fishing, trolling, casting net.
2. Identify and name at least ten species of fish in your area that may be legally kept or are species that are catch-release only.
3. Learn what your state conservation department is doing to improve fishing in your area. Write a fifty-word essay on your findings or obtain a brochure or article describing their efforts.
4. Learn how to bait a hook and attach at least two kinds of live bait (minnows, worms, crayfish, grasshoppers, crickets, clams, frogs, etc.).
5. List at least three varieties of artificial bait (lures) and attach at least two kinds (plugs, jigs, spoons, flies).
6. Demonstrate how to tie at least two knots, one designed to join two lines and one designed to attach a hook or lure to a line. The recommended knots for joining two lines are the tucked sheet bend or the blood (barrel) knot; for securing a line to a hook, the bait hook knot or clincher knot.
7. Define at least ten of the following terms used by fishermen: gorge, swivel, harpoon, barb, treble hook, bobber (float), sinker, leader, landing net, jugging, trotline, stringer, tackle, angling, catch-release.
8. Learn the feeding habits and locations of at least two species of fish in your area. Learn how weather affects their feeding habits. Write a twenty-five word essay on your findings for each fish or obtain a brochure or article that satisfies these requirements.
9. List at least three things that can be done to a fish after it has been caught.
10. List at least two safety rules that are always practiced while fishing. Explain how the Golden Rule should be practiced during a fishing outing.
11. Choose and name at least five parts of the equipment for cane or spin cast. Provide a drawing or picture of your work.
12. In a closely mowed, grassy area, unobstructed for a diameter of eighty feet, practice casting the bait with the equipment chosen, (cane pole or spin casting rod and reel). Use a hookless bait and a target of a hula hoop, wading pool, rope in a circle, etc. Learn to cast consistently into the target, varying from fifteen to forty feet.
13. Catch at least two fish of different species, identify them, demonstrate how to prepare one for cooking and how to release one unharmed.

Blue Global Missions Merit

Release Date: April 1, 2009

1. Give a monthly offering for at least three months to the Royal Rangers' Master Toolbox project. Information about the Master's Toolbox project can be found at the Royal Rangers Web site.
2. Prepare with your patrol a short (three to five minute) skit about how missionaries help people around the world. With your patrol present the skit for your group.
3. Verify the completion of the requirement and observe the skit. This requirement is designed to be completed as a patrol. However, a boy may choose to fulfill this requirement on his own.
4. Visit the Royal Rangers International Web site (www.royalrangersinternational.com) under the supervision of a parent or a commander. Read about the ways that Royal Rangers is helping to spread the gospel around the world.
5. Read the following Scriptures and explain what they say about missions to your family, patrol, or commander:
 - a. Genesis 12:2,3
 - b. Psalm 2:8
 - c. Matthew 28:19
 - d. Mark 16:15
 - e. Acts 1:8
6. Interview your church's missions coordinator, pastor, or suitable alternate to learn how many missionaries your church supports. Ask how much your church gave to missions last year, other ways your church is involved in missions, and why missions is important to your church.
7. Select TWO missionaries your church supports. Visit each missionary's ministry Web site or collect a prayer card when they visit your church. Pray for them daily for at least one month. Pray for their safety, finances, ministry in their location, and any specific needs mentioned on their Web site or in the missions service. Choose a missionary serving with Royal Rangers International if your church does not support missions.



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Merit Requirements: **Blue-Bordered Merit**

HOBBY

Choose ONE hobby from each of the following four categories, and TWO additional hobbies of your choice from the list (or ones approved by your commander). You may not reuse a project that is part of another merit.

1. Collections: Choose one of the categories below and collect at least ten items. Properly display and label them. Find out the name and phone number for a collector's store or group in your area, or a web site, where you can find out more about your chosen collection.
 - a. Stamps
 - b. Coins
 - c. Sport cards
 - d. Toys (Matchbox cars, Beanie Babies, etc.)
 - e. Rocks and minerals
 - f. Insects
2. Model Making: Make at least one model from scratch or a kit (unless specified) and properly display it. Learn about the original item your model is copied from, where and when it was made, what it was used for, etc.
 - a. Car or truck
 - b. Military vehicle
 - c. Airplane or helicopter
 - d. Railroad
 - e. Building
 - f. Kite (must be made from scratch)
 - g. Rocket
3. Craft: Make at least one usable item. List the tools, materials and safety rules needed.
 - a. Wood
 - b. Metal
 - c. Leather (use leather tooling)
 - d. String or rope
 - e. Weaving
 - f. Beadwork
4. Fine Arts: Make at least one item (unless otherwise noted). List the materials and tools needed for your hobby.
 - a. Painting
 - b. Sketching
 - c. Origami
 - d. Pottery
 - e. Sculpting
 - f. Music—Play an instrument or sing in a recital or performance. The performance may be at a school, church, community, or Royal Ranger activity.
 - g. Photography—Choose an object or landscape setting and take and have developed at least twelve pictures from different angles and in different lights. Compare and find out what combination worked best. Describe which picture you think is the best photograph you took and why.
 - h. Reading—Read one book each of at least three different types of books. Make a list of titles and authors and a one-page summary of the contents of each book.



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Merit Requirements: [Blue-Bordered Merit](#)

ICE SKATING

1. Read one book on the history of ice skating.
2. Write a brief description of the three types of competitive ice skating sports. Describe how the ice skates for each type of ice skating sports differ.
3. Write down how to properly maintain and store ice skates.
4. Write a 300-word essay on the history of ice skating, including your two favorite Olympic or world champion ice skaters and the year they won.
5. Demonstrate the following ice skating skills:
 - a. Forward and backward sculling
 - b. Forward crossover
 - c. Starting from a T-position, begin using the stroking method and skate forward on one foot, then the other foot, and lastly on both feet.
 - d. Take three separate laps around the rink and stop by demonstrating each of the following: hockey stop, snowplow stop, and T-stop.
 - e. Skate backwards using the stroking method.
 - f. Skate forward using the crossover method, skating in a figure eight.
6. Interview an ice skating instructor or coach (preferably Christian) regarding the following:
 - a. A winning attitude
 - b. A Christian example
 - c. Physical fitness
 - d. Building Christian character
 - e. Preparation for the future



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IN-LINE SKATING

1. Read one book on the history of in-line skating.
2. Write a 300-word report on the history of in-line skating.
3. Describe on one written page the benefits of in-line skating and why you enjoy the sport.
4. Identify the four main pieces of protective equipment worn while in-line skating.
5. Write a list of items considered to be part of good in-line skating etiquette.
6. Demonstrate the following in-line skating skills:
 - a. A-frame stance
 - b. Ready stance
 - c. Herringbone
 - d. Side step (uphill)
7. While in motion, demonstrate the following skills:
 - a. Crossover
 - b. Parallel turn
 - c. 180-turn
 - d. Backward swizzle
 - e. Back-to-front pivot
 - f. Standard heel-stop
 - g. T-stop
 - h. Spin stop
8. Interview an in-line skating instructor (preferably Christian) regarding the following:
 - a. Why is it important to stretch before skating?
 - b. What benefits come from in-line skating?
 - c. How has in-line skating made you a more disciplined person?
 - d. How do you build a winning attitude?
 - e. How do you build character within a person?
 - f. What is the importance of being a good role model?
 - g. How do you prepare a team or individual for competition?



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JUNIOR BIBLE QUIZ

Note: This merit is designed to reward a Royal Ranger who learns the Bible Fact-Pak and demonstrates that knowledge by successfully competing on a JBQ team.

1. Compete on a B-level or higher quiz team.
2. Score a minimum of 500 career points of quizzing during matches of league or higher quizzing.
3. Quiz out by answering the maximum number of questions allowed per match at least three times in your JBQ career.
4. Earn the Searcher Seal as described on the JBQ web site: www.nationaljbq.org.



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Merit Requirements: **Blue-Bordered Merit**

LAW ENFORCEMENT

1. List seven of the different law enforcement jobs and the major responsibilities of each.
2. List the names, addresses, and phone numbers (both emergency and non-emergency numbers) for the nearest city, county, conservation or park, state, and national law enforcement agencies.
3. Pick two of the agencies listed in Requirement 2. Gather information about each (tour their facilities or interview an officer from those facilities) and write the answers to these questions:
 - a. What geographical area do they have authority over?
 - b. How many officers and other employees do they have?
 - c. In what ways are the two jobs alike and in what ways are they different?
4. Interview a law enforcement officer. Ask these questions and write a brief report:
 - a. Why did he (or she) choose law enforcement as a career?
 - b. What type of schooling did he need to have?
 - c. What was the most dangerous situation he has experienced?
 - d. What was the most rewarding situation he has experienced?
 - e. What are the most important qualities to have as a law enforcement officer?
 - f. What special equipment does he need in order to do his job?
5. Have an officer show you ONE of the following:
 - a. A patrol car, its unique features and specialized equipment
 - b. A law enforcement helicopter, its unique features and specialized equipment
 - c. A DWI unit, its unique features and specialized equipment
 - d. A police dog or horse and the specialized equipment that it needs
 - e. A tactical response unit and its unique features and specialized equipment
 - f. A patrol motorcycle or mountain bike and its unique features and specialized equipment
6. In your Bible find where a serious crime was committed. Tell who committed this crime, how it was solved, and what was the consequence, judgment, discipline, or punishment received.
7. Read Romans 13:1-5 and explain its meaning. Write what it means for you and how you are to live your life.



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MARKSMANSHIP

Prerequisite: Prior to taking this merit, you must complete the Firearm Safety merit.

Successfully complete the Royal Rangers Marksmanship Merit Course or another approved Daisy Shooting Education course, such as Jaycees, 4-H, etc.



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MUSIC

1. On at least three different occasions sing as a soloist or a member of a group (such as a quartet or choir); or play a musical instrument as a soloist or member of a group (such as a band or orchestra).
2. Name each note on a scale and show where it should appear on the staff.
3. Draw the following music symbols and explain what each one means:
 - a. Treble clef
 - b. Bass clef
 - c. D.C. al Fine
 - d. Crescendo
 - e. Decrescendo
 - f. Fermata
 - g. Sharp
 - h. Flat
 - i. Natural
4. Explain what level of volume is represented by the following terms, and draw their symbols:
 - a. Forte
 - b. Mezzo forte
 - c. Mezzo piano
 - d. Piano
5. Find an example of the each of the following types of notes in your church hymnal:
 - a. Whole note
 - b. Half note
 - c. Quarter note
 - d. Eighth note
 - e. Sixteenth note
 - f. Dotted note (of any kind)
6. Identify ten musical instruments by sound.
7. Demonstrate the appropriate way to direct an orchestra using appropriate conducting patterns.
8. Find three Scripture references regarding singing or musical instruments.



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PAINTING

1. List at least three steps to paint a new wood surface, such as a picture frame or the trim around a window or door.
2. List at least three steps to paint an old painted wood surface.
3. List three ways paint can improve a surface.
4. List several uses of oil-based and water-based paints.
5. List at least three steps to stain a new wood surface.
6. Prepare and paint any two of the following items approved by your leader. Use the correct fillers, primer, and finish coats as needed.
 - a. An outside wooden surface such as a door
 - b. An inside surface such as a small wall
 - c. A piece of furniture
 - d. A hardwood floor
 - e. A porch or deck rail
 - f. A metal surface such as a handrail, door, or shovel or other garden tool
 - g. A concrete or stucco surface
 - h. A marine surface such as a boat, canoe, or dock
7. Prepare an old painted wood surface such as a chair, small table, small cabinet, or chest that has holes or scratches on it and is uneven. Repair the surface and then repaint.
8. Add colors to a white base paint to make two harmonizing colors of your choice. With these two mixed paints, paint one of the following in two colors:
 - a. A model airplane
 - b. A Pinewood Derby car
 - c. A birdhouse
 - d. A doghouse
 - e. A picture frame
 - f. Some other useful item requiring two colors
9. Demonstrate the correct way to use, clean, and store painting equipment such as brushes and rollers.



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PETS

Note: The work done for this merit cannot be applied to another merit, nor can the work for another merit be applied to this merit.

1. Keep a daily log of the care given to an animal for six consecutive weeks.
2. Write a 150-word essay discussing the following items about the pet you have chosen.
 - a. Why did you choose this animal?
 - b. List two common places in the world this animal is kept as a pet.
 - c. Give the history of when this animal was first domesticated.
 - d. What species of this animal are still found in the wild?
 - e. Discuss any laws that govern the keeping of this animal as a pet (e.g., licensing).
3. Draw or take a picture of the animal you have chosen (preferably the one you are actually caring for). Label at least ten major body parts.
4. Read a book, pamphlet, or web site about the animal you have chosen and give an oral report to your Rangers group. Show the picture you created for Requirement 3 or bring the animal with you.
5. Describe the environment the chosen animal lives in and how you will create a proper habitat for it. Include a sketch of your plan and an estimate of the cost to build or buy it.
6. Using pictures or sketches, describe five different types of this animal, showing the major differences between them.
7. Make a list of the names, addresses, and telephone numbers of five individuals or organizations where you could obtain medical treatment for the animal you have chosen.



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PIONEER LORE

1. Read a book on the history of the early settlers in your area (city, county, or state).
2. Write a 200-word report on the life (lifestyle, homes, clothing, etc.) of the early settlers in your area.
3. List at least two American Indian tribes that once lived in your state.
4. List the major nationalities and/or ethnic groups that were represented by the early settlers in your area. Also list any unique reasons why they settled in your area.
5. Choose two of the following trails. Complete the written work listed below the choices.
 - a. Oregon Trail
 - b. Wilderness Road
 - c. Santa Fe Trail

Write a report covering the following things:

- a. Show major river crossings and locate at least two landmarks.
 - b. Locate the areas occupied by various American Indian tribes along the trail.
 - c. Record the years when the trail was most heavily used by pioneers.
 - d. Discuss what time of year travel needed to begin and why.
 - e. On a map, trace the trail.
 - f. Record what year the trail was blazed.
 - g. List some of the dangers that existed along the trail.
 - h. Compare the length of time it takes to travel today with how long it took in covered wagons in the 1800s for the Oregon and Santa Fe Trails, or on foot for the Wilderness Road. Determine time based upon fifteen miles per day for the pioneer and sixty miles per hour for today's traveler.
6. Write a 100-word report explaining the means of finding your way through a wilderness area. Choose one of the trails in Requirement 5 when discussing this topic.
 7. Explain in writing how the pioneers provided for food and water for a long journey.
 8. List the three main types of wagons used by pioneers, and explain what type was best for long trails like the Oregon Trail.
 9. Visit a historical museum or a pioneer history web site. Write a 250-word report on what you saw or found. Include pictures or a brochure from the museum.



Royal Rangers

Merit Requirements: [Blue-Bordered Merit](#)

PRESIDENTS

1. List the presidents of the United States in the order they served. Include the dates they served, the lengths of their terms, their political parties, and the names of their vice presidents.
2. List at least two major events that occurred during each president's term.
3. List the presidents who died in office including the cause of death.
4. List each president's highest attained level of education and the state where he was born.
5. Obtain a picture or drawing of each president.
6. List ten Scriptures that describe the qualities of a good leader.
7. Write a 300-word essay about your favorite president, giving the reasons for your choice. Explain how your favorite president showed at least three qualities listed in Requirement 6.



Royal Rangers

Merit Requirements: **Blue-Bordered Merit**

RAILROADING

1. Do ONE of the following:
 - a. Visit a model railroading club.
 - b. Visit a railroad museum.
 - c. Watch a Pentrax train video.
2. Do ONE of the following:
 - a. Attend a model railroad show.
 - b. Take a ride on a train.
 - c. Visit a garden railroad.
3. Make a list of ten railroad names (past or present).
4. Locate the Amtrac station nearest you.
5. List six different types of freight cars used on railroads.
6. Name ten types of cargo shipped in freight cars.
7. Do ONE of the following:
 - a. Lay six feet or more of cork roadbed, track, and ballast.
 - b. Construct a railroad station building kit (plastic or laser kit).
 - c. Draw to scale the layout of the model railroad you would like to build.
8. Define switchback.
9. List six manufacturers of model railroading supplies or equipment.
10. Determine, in HO scale, how many feet are represented by three inches.
11. Define ballast and tell what it is used for.
12. Write where the engineer and the brakeman ride on a locomotive.
13. Record the speed limit in a railroad yard.
14. Write in what type of engine a whistle was used.
15. Determine how many forty-foot cars are in a mile.
16. Name three types of fuels used in steam locomotives.
17. Define "EOT" and tell what it replaced.
18. Tell what kind of railroad used Shay engines.
19. Name three types of locomotive power.
20. Match the scales in line 'b' with the model railroad gauge names in line 'a':
 - a. G, Z, S, O, N, HO
 - b. 1:220, 1:48, 1:32, 1:87, 1:160, 1:64



Royal Rangers

Merit Requirements: [Blue-Bordered Merit](#)

READING

1. Visit your local library and sign up for a library card. Learn how to use the computer or card catalog files to locate materials or books on the library shelves. List the three major ways books and information may be found using a computer or card catalog.
2. Read six books in the next six months (other than school-related texts): one book related to Royal Rangers camp crafts, one biography, one fiction, one arts or science, one religious and one of your choice. These books can be ones that you have checked out of your local library using your library card.
3. Write a fifty-word review of each book that you have read in Requirement 2. Also explain why you selected each book, what it has meant to you, and whether or not you enjoyed the book.
4. Keep a scrapbook of current events for two months. Use materials from magazines, newspapers, newsletters, etc. Focus on just one or two topics such as politics, sports, science, crime, local issues, etc.
5. List several ways to develop good reading habits.



Royal Rangers

Merit Requirements: **Blue-Bordered Merit**

ROLLER SKATING

1. List ten safety and etiquette rules for roller skating.
2. Draw a diagram and label at least five parts of a roller skate.
3. Demonstrate the following roller skating skills:
 - a. Skate forward on both feet for at least fifty feet in both directions or around a rink and demonstrate proper techniques for stopping.
 - b. Show your ability to balance on one foot at a time. Skate forward and roll twenty feet on one skate, then on the other.
 - c. Perform the crosscut.
 - d. Skate backward and glide with both skates on the ground.
 - e. Skate forward in a slalom pattern with both skates on the ground.
 - f. Skate backward in a slalom pattern for at least fifteen feet with both skates on the ground.
 - g. Skate forward at least one hundred feet and then back, bending twice along the way without stopping. One bend should occur while circling to turn around.
 - h. Perform a widespread eagle while skating.
 - i. Perform a Mohawk while skating.
 - j. Perform a series of consecutive spins on skates.
4. Write a 250-word report on the history of roller skating.
5. What is the RSROA and why was it established?
6. Interview a roller skating instructor (preferably Christian) regarding the following:
 - a. What benefits come from roller skating?
 - b. How has roller skating made you a more disciplined person?
 - c. How do you build a winning attitude?
 - d. How do you build character within a person?
 - e. What is the importance of being a good role model?
 - f. How do you prepare a team or individual for competition?



Royal Rangers

Merit Requirements: Blue-Bordered Merit

ROWING

1. Demonstrate your ability to swim twenty-five yards.
2. Demonstrate your ability to adjust and use a personal floatation device.
3. Demonstrate to a leader each of the following, with or without a passenger:
 - a. Properly get into and out of a moored boat.
 - b. Properly help a passenger in and out of a moored boat.
 - c. Row in a straight line for fifty yards. Stop, make a pivot turn, and return to the starting point.
 - d. Properly moor or rack your craft. Demonstrate your ability to tie the following mooring knots: clove hitch, round turn with two half hitches.
4. Demonstrate to a leader any TWO of the following:
 - a. In a fixed-seat rowboat, come alongside a dock and help a passenger into the boat. Pull away from the dock, change positions with your passenger, and scull in good form over the stern for ten yards, including at least one 180-degree turn. Resume your rowing position, return alongside the pier, and help your passenger out of the boat.
 - b. Alone, or with one other person who is a swimmer, tip over a rowboat. Tell why you should stay with a swamped boat.
 - c. Alone in a rowboat, push off from the shore or dock or a swimming pool. Row ten yards to a swimmer. While giving instructions to the swimmer, turn the boat so that the swimmer can hold onto the stern. Tow him to shore.
 - d. Show or explain the proper use of anchors for rowboats.
 - e. Explain the types of oarlocks used in recreational rowboats.
5. In written form, explain the following:
 - a. Why is it necessary to pay attention to the weather before and while boating?
 - b. Why is it necessary that your parent or an adult know when and where you are boating?
 - c. Why should you never boat alone?
 - d. Is it always safe to boat in a river? Why or why not?
 - e. What equipment should always be available in a boat before launching?
 - f. What safety checks should you do on a boat prior to launching?
 - g. What respect or courtesies should you show other boaters who are near you?



Royal Rangers

Merit Requirements: [Blue-Bordered Merit](#)

SCULPTURE

1. Define sculpture and the four main sculpting techniques: carving, modeling, casting, and construction and assemblage.
2. List at least eight different materials used for sculpting.
3. Describe the ten basic steps involved in making the three sculptures in Requirement 4.
4. Make any three of the following sculpture projects:
 - a. Sand castle
 - b. Animal made from wire or pipe cleaners
 - c. Object carved from a bar of soap
 - d. Scrap wood sculpture
 - e. Animal or person's head from clay
 - f. Papier-maché mask or piñata
 - g. A "negative" plaster mold of an item, and then a "positive" mold of it
 - h. Plaster and wire vase
 - i. Toothpick and marshmallow tower, bridge, or other object
 - j. Other project approved by your commander
5. List possible careers involving sculpture.
6. Cite three Scripture references that show God as the first "sculptor."



Royal Rangers

Merit Requirements: [Blue-Bordered Merit](#)

SENIOR CITIZENS

1. With your commander's help, adopt a senior citizen in your church as a grandmother or grandfather. Or adopt both a grandmother and a grandfather.
2. Learn about your adopted grandmother's and/or grandfather's birthdays, anniversaries, etc., and present them with some special remembrance on these occasions. An alternate presentation could be for a special holiday such as Easter, Grandparents' Day, Thanksgiving, or Christmas.
3. Invite your adopted grandmother and/or grandfather to attend a special outpost activity and recognize each of them at that event.
4. List six Scripture verses that tell of God's feelings toward our senior citizens.
5. List five things around the church that may cause hindrances or difficulties for senior citizens.
6. List ten things that senior citizens do at your church.
7. Select one of the following options for a special time with your adopted grandmother and/or grandfather:
 - a. Arrange a special banquet.
 - b. Arrange a dessert fellowship.
 - c. Arrange a special coffee/tea time during an outpost meeting.
 - d. Arrange a popcorn and oldies movie night.
8. Write a 100-word report about how the adopted grandmother and/or grandfather have affected your life.



Royal Rangers

Merit Requirements: **Blue-Bordered Merit**

WILDLIFE

1. Define wildlife conservation.
2. Describe two problems that affect your state's wildlife.
3. Make a list of wildlife species in your state that are classified as endangered or threatened.
4. On a field trip to observe wildlife, keep a written record that includes the following:
 - a. The date, beginning time, and ending time of the observation
 - b. The location of the observation
 - c. The wildlife observed
 - d. The type of habitat each species was observed in
 - e. The purpose of the observation: What did you plan to learn? Did you learn what you planned?
5. Make a plaster cast of animal tracks on a field trip or at a Royal Ranger meeting using a track kit. (The kit may be purchased, or a kit made by your outpost.)
6. Choose two of the following to be submitted to your commander:
 - a. Photograph two wildlife species. Write a seventy-five to one hundred-word description identifying each animal and its habitat. Each report should include a sketch of the animal's tracks, a map showing its range or territory, and a list of the food it eats.
 - b. On the Internet find eight descriptions of wildlife species that live in your area. Print out their images and list basic information.
 - c. Prepare a scrapbook containing the descriptions and habitats of four wildlife species that live in your area. Include a picture, drawing, or image of each species.
7. Be able to recognize from photos, drawings, or images, at least twenty-four mammals native to your country.
8. Recite the Conservation Pledge and explain what you can do to protect wildlife.
9. Recite three Scripture references about three different animals.