

Singapore Royal Rangers National Office



Merit Requirements: **Gold-Bordered Merit**

NATURE STUDY

Note: This merit or the Environmental Science Merit is required to earn the Gold Medal of Achievement.

1. Select for study one typical wildlife community (a forest, prairie, marsh, desert, mountaintop, etc.) near your home. Take a hike, making notes about the trees, plants, animals, birds, insects, etc. that you see. Explain how to identify each of these.
2. Do ONE of the following:
 - a. Make an indoor desert garden.
 - b. Make a woodland terrarium using at least five plants.
 - c. Make an aquarium and keep three species of fish in it.
3. Do any EIGHT of the following:
 - a. Collect and identify leaves from ten kinds of plants, such as ixora, allamanda etc.
 - b. Collect and identify a sample of the seed, leaves, or fruit of ten kinds of trees.
 - c. Collect and identify a sample of six kinds of wood.
 - d. Catch and identify three kinds of fish.
 - e. Be able to name and identify five types of frogs or five kinds of reptiles, using live specimens or pictures.
 - f. Go on a bird watching field trip. Count the number of birds you see and hear and the nests you see. Make a list of each.
 - g. Recognize, in the field, five signs of wild animals, such as tracks, scat, dens, and sightings. Make a list of each.
 - h. Collect twenty bird pictures and be able to identify each bird.
 - i. Collect ten kinds of insects. Identify them.
 - j. Collect at least four varieties of flies and identify them.
 - k. Collect seven kinds of seashells and identify them.
 - l. Collect ten kinds of flowers and identify them.
 - m. Describe how to recognize three kinds of poisonous plants, such as dumb cane and rose-bay.
4. Explain what you and others can do to help with the conservation of nature.
5. List three Bible verses showing God's concern for the things of nature.