

	FRIEND	COMPANION	EXPLORER	RANGER	VOYAGER	GUIDE
I. SPIRITUAL LESSONS (Required)						
A.	Review the story of the lost sheep, and find at least 3 other examples in nature that are used in the Bible to describe the character of God.	Review the story of creation, and keep a 7-day outdoor log of your personal observations from nature in which each day focuses on those things that were created on that day.	Review the story of the flood, and study at least 3 different fossils; explain their origin and relate them to breaking God's laws.	Review the story of the Ten Commandments, and perform 3 experiments which demonstrate the natural laws of God, (e.g. law of gravity, law of magnetism).	Review the story of Nicodemus and relate it to the life cycle of the butterfly, OR draw a life-cycle chart of the caterpillar giving the spiritual significance.	Read the story of Jesus' childhood in <u>The Desire of Ages</u> , ch. 7, and relate it to the place of nature study in His education and ministry by giving orally before an audience an original nature lesson (parable) drawn from your observations.
II. NATURE APPRECIATION (Optional)						
A.	Birds/Mammals Set up a feeding station for the birds or mammals. Report on the types of visitors appearing during the week.	Animal Tracking Make plaster casts of 3 different animal tracks.	Stars Be able to identify in the sky the North Star, Big Dipper, Little Dipper, and Orion. Explain the spiritual significance of Orion as told in <u>Early Writings</u> , p. 41.	Lichens/Shells Make an "eternal garden", OR collect and identify 15 different shells and tell where they may be found.	House Plants/Butterflies Raise a plant using hydroponic principles, OR identify and draw, collect or photograph 10 species of butterflies.	Spiders/Rocks and Minerals Complete a spider web study project, OR collect or obtain and identify 15 different kinds of rocks and minerals.
B.	Seeds Amphibians/Reptiles Collect or obtain and identify 15 different kinds of seeds OR help set up and observe a terrarium for amphibians/reptiles.	Trees, Shrubs and Cacti Collect or obtain and identify the leaves of 15 different trees and 7 shrubs, OR photograph and observe at least 5 different types of cacti.	Weather/Ferns Record and graph the weather for 2 weeks at 12-hour intervals. Include temperature, moisture, cloud formation, and wind direction, OR draw or photograph, and identify, 10 kinds of ferns.	Insects/Wild Flowers Collect or obtain and mount 15 species of insects representing at least 6 different orders, OR draw, photograph, or collect pictures of 20 kinds of wild flowers and identify correctly.	Edible Wild Plant/Environmental Conservation Identify, prepare and eat 10 varieties of edible wild plants, OR investigate and write a report on a small stream.	Ecology/Fungi List 10 ways in which you might actively work to improve the environment in which you live. Put 4 into practice, OR photograph or draw 15 different fungi and correctly identify them.
III. NATURE HONOR (Optional)						
A.	Complete a nature honor at your skill level, not previously earned.**	Complete a nature honor at your skill level, not previously earned.**	Complete a nature honor at your skill level, not previously earned.**	Complete a nature honor at your skill level, not previously earned.**	Complete a nature honor at your skill level, not previously earned.**	Complete a nature honor at your skill level, not previously earned.**

Requirement: Do Section I for the standard class requirements.
Do Sections I, II, and III for the advanced classes.
** See **AY Honors Handbook** for requirements.

NATURE STUDY

Content Statement: God speaks to the youth, as a whole, through nature more effectively than through any other medium. In nature the character and love of God are displayed more graphically than in any other medium or method. The heart of the youth, removed from all that is artificial, will naturally reach out to God when He is displayed in this manner.

TASKS	CRITERION REFERENCED MEASURES
I. SPIRITUAL LESSONS	
A.	From your own personal observation discuss with the examiner the results of the required activity, drawing conclusions you consider appropriate. Be able to justify your conclusions satisfactorily.
II. NATURE APPRECIATION	
A.	Discuss with the examiner the results of your activity. This may be in the form of photographs, a written report, the actual activity results, or any combination acceptable to the examiner.
B.	Present your collection, records, or activity results to the examiner with proper identification as required, acceptable and accurate labeling of specimens, and all resulting data and conclusions you have made relating to the required activity.
III. NATURE HONOR	
A.	Present to the examiner your completed requirements for the honor you have chosen. You must date the work and sign that it is entirely your own. Be prepared to answer questions from your examiner.