

Chesapeake Connections



Education
Activities
Stewardship

Arlington Echo
Outdoor Education Center



Curriculum Connections

Terrapin Connection- Curriculum Connection

Arlington Echo Outdoor Education Center- Anne Arundel County Public Schools

Grade	Science	Social Studies	Math	Language Arts
1	Life Science- A look at Animals- Observe how animals are alike and different	Citizen in a Community- responsibility to care for community and environment	Patterns- id patterns on the terrapin's shell Problem solving	Text Features- identify and write captions Create photo essays using pictures
	Earth Science: Importance of sun and water to living things: terrapins	Natural Resources Discuss why people settled on the Bay. How are terrains a resource?	Symmetry Geometric Shapes Fractions Picture Graph/ Bar graph	Write to inform: Unit 2: Animals- Discuss habitat of terrapins Unit 5 Weather- effects on terrapins
	Life science: Animals grow and change, Food sources, How animals stay safe, Classify animals	Unit 5: Citizen in the World How our actions effect/ influence others and wildlife	Tally Marks Tables Measurement: read a thermometer	Unit 6 Journey- Terrapins life migration Unit 10 Homes- Use describing words to tell about terrapin homes
2	Environmental Science- env. Issues affecting terrapins	Geography- maps of where terrapins live	Taking measurements Fractions Graphing	Writing to persuade, research, letters, directions
	Life science- Ecology Study habitat of a native animal: plants, food etc.			Research- Descriptive paragraphs Website research on current issues of the bay effecting terrapins
	Earth science- effects of erosion on terrapins			
3	Life science- Living things	Habitat and Environment	Tally charts, Perimeter and Area, graphing, comparison statements	Writing a persuasive poster/brochure Imagination – Terrapin's point of view
			Surveys- ask other students about their knowledge of terrapins	Research/ Descriptive paragraphs
	Evolution- Animal survival and adaptation	Geography of Maryland- Poplar Island	Use data and measurements from terrapins: Measuring, Mode; mean; range; median; Graphing	Use news articles of terrapins to introduce many lang. arts skills
4	Ecology: Needs of living things, Compare single and multi-cellular organisms: Plant vs. animals	Native Americans- How was the Chesapeake bay different for the terrapins when Native Americans were here	Estimation, Multiplication Perimeter and area	Writing to persuade, Writing to be informed, Writing to express personal ideas, Writing to express information,

Terrapin Connection- Curriculum Connection

Arlington Echo Outdoor Education Center- Anne Arundel County Public Schools

	Science	Social Studies	Math	Language Arts
4	Diversity of Life: suitability of animals for a habitat		Technology/computer lab Research issues surrounding terrapins	Poetry, Inquiry Research, Sequential order Text features- main idea
	Hydrosphere and Atmosphere Water Cycle Watershed and Issues Pollution Effects – water quality –finite resource	Colonization- Poplar Island: Compare historical accounts of Poplar Island to current conditions. How was the environment for the terrapins?	Compute Decimal Differences Measure lengths of terrapins using decimals and subtraction Measure terrapins, find perimeter and area of tank	Informational writes/reports, Poetry, Descriptive essays, Persuasive debate-write about issues surrounding terrapins
5	Physical Science: Motion of water. Distance terrapins have to travel, relate to speed/currents; calculate currents in nautical measurements.	Supply and Demand Effects on the Bay and terrapins Research: terrapin harvesting, recreation, tourism influence the bay’s health. Create a timeline/book	Table of values for a rule Given a rule on terrapin growth, create the data Double Bar Graph Line Graph, Stem & Leaf Find mean, median, mode	Cooperation and Competition Narrative Working together to start project Need of projects (writing grant) to fund projects and research terrapins
	Environmental Issues: Health of Watershed and Bay, Human Impact development of shorelines- impact on terrapins		Fact or opinion Given a set of statements about terrapins, ID each as fact or opinion	Inferences / Drawing Conclusions- Read newspaper articles to make inferences about situations related to terrapins
				Making a New Nation- Biography Read about historical accounts of Poplar Island.
	Life science- Photosynthesis SAV’s contribute O2 to the bay and affect the water quality		Perimeter and area Measurement: mean, mode, median, percent, graphs	
6	Nutrition- organisms need for energy and nutrition: terrapins nutrient source		Interpret circle graphs- terrapin data Geometry- Lines of symmetry	
	Flow of matter and energy- Human impact, nutrient pollution impact on terrapins		Fractions and decimals- order the weights of the terrapins	
	Environmental Issues- Protection of bay and terrapins- what can you do?			

Terrapin Connection- Curriculum Connection

Arlington Echo Outdoor Education Center- Anne Arundel County Public Schools

7	Science	Social Studies	Math	Language Arts
				Information text- main idea and details Chronological order- create timeline
				Literary concepts- Point of View: Write from the point of view of a terrapin
				Research- historical accounts of Poplar Island
8	Earth Science- Pollution Overpopulation Issues- effects of increasing population on terrapins			
	Human Activity Environmental change			
	Weathering/ Greenhouse effect			
HS	Biology			
	Water quality: testing Ph level in terrapin tank			
	CDR Vitamins- terrapins use of vitamins for shell dev.			
	Ecology- bay ecosystems, terrapin habitat			
	Marine Biology			
	Marine vertebrates- terrapins			
	Estuarine ecosystems			
	AP Env. Science			
	Food webs- classify organisms by feeding strategies			
	Ecology- bay estuary system- terrapin habitat			
	Water Pollution- effects of runoff on life of bay			
	Land use and Pollution- erosion effects on egg laying			
Air Pollution- how it impacts terrapins in the bay				