

CONSTRUCTING A CHESAPEAKE BAY GLYPH: ASSESSING YOUR ENVIRONMENTAL KNOWLEDGE

1997 Environmental Science Institute Participants
from Prince George's County Public Schools

A glyph is a pictorial representation using symbols and colors to address questions. It is obtained by following a set of instructions.

Our suggested use of this Bay glyph is to have your students construct one before covering a unit on the Chesapeake Bay and its watershed, and then afterwards. A discussion of their differences may follow.

Do you live in the Chesapeake Bay watershed? Choose the hull of your boat.



YES



NO

Have you visited the Chesapeake Bay? Choose the color of your boat.

brown boat - yes

black boat - no

Does the Bay need improvement? Choose the mast of your boat.



It's fine



Needs improvement



Needs a lot of improvement

What is your favorite Bay food? Choose the shape of the sail.



**Shellfish
(clams, oysters)**



Fish



**Dont like
seafood!**



Crabs

What tributary do you live closest to? Color the sail.

red - Susquehanna River

blue - Potomac River

orange - York River

green - Patuxent River

purple - Rappahannock River

yellow - James River

What things have you done to help the environment? Draw the pattern(s) on the sail.

△ recycle

■ tree planting

+ use NO lawn chemicals



pick-up litter

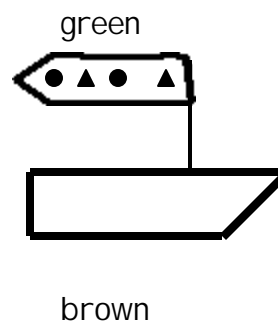
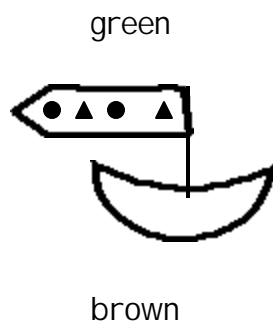


storm drain labeling

leave blank have not helped

After the pre- and post-Bay unit glyphs are constructed, as a writing assignment, have students compare the two glyphs. Students can also summarize what they know or have learned about the Chesapeake Bay and its watershed.

Here is an example by a fourth grade student from Mattaponi Elementary School. Can you determine what the student learned?



The Environmental Science Institute is funded by a grant from the Maryland Higher Education Commission to Prince George's Community College.

This article was published in the MAST RAPPER 22 (4), 1997, pp. 34-35.