

Stream Keeping

Poster Creation and Presentation

KNOWLEDGE

- Importance of keeping streams and waterways clean for animals to live in
- How drains, streams, and rivers are all connected to the ocean
- How pollution can negatively affect aquatic animals
- How to properly dispose of certain products

ACTIVE

- Students will have to create and colour their own posters
- Students may have to present these posters at the end of class

| TIME | GROUP SIZE | LOCATION | GRADE LEVEL | EQUIPMENT |
|--|------------------------|-----------|--|--|
| As long or short as you'd like. | Individual or in pairs | Classroom | K-2 | Paper Pencil Crayons Images of house hold products |
| DEBRIEF/REFLECTIVE COMPONENT | | | HELPFUL TIPS | |
| <ul style="list-style-type: none"> • How do the things that we put down drains affect the life in the oceans? • What should we do with these products instead? • Can the products we put down drains actually make it to the oceans? • How can we further help life in the oceans? | | | <ul style="list-style-type: none"> • Example of a household item could be household cleaners. Draw a red circle with a line through it over harsh cleaners, and a green circle over biodegradable cleaners. • Other examples could include; wash car on lawn not driveway near storm drain, shampoo with biodegradable shampoo, pickle juice/vinegar poured onto lawn instead of down the drain. | |

OCEAN LITERACY PRINCIPLES

6 – The ocean and humans are inextricably interconnected.

- d. Humans affect the ocean in a variety of ways. Laws, regulations, and resource management affect what is taken out and put into the ocean. Human development and activity leads to pollution (point source, non-point source, and noise pollution), changes to ocean chemistry (ocean acidification) and physical modifications (changes to beaches, shores, and rivers). In addition, humans have removed most of the large vertebrates from the ocean.
- e. Changes in ocean temperature and pH due to human activities can affect the survival of some organisms and impact biological diversity (coral bleaching due to increased temperature and inhibition of shell formations due to ocean acidification).
- g. Everyone is responsible for caring for the ocean. The ocean sustains life on Earth and humans must live in ways that sustain the ocean. Individual and collective actions are needed to effectively manage ocean resources for all.

7 – The ocean is largely unexplored.

- a. The ocean is the largest unexplored place on Earth – less than 5% of it has been explored. The next generation of explorers and researchers will find great opportunities for discovery, innovation, and investigation.
- c. Over the last 50 years, use of ocean resources has increased significantly; the future sustainability of ocean resources depends on our understanding of those resources and their potential.

Setup

1. Discuss with your students the importance of trying to keep our streams and waterways clean for animals to live in.
2. Each student will then make a poster of things that we shouldn't let go down the drains so we won't hurt the animals that are/could be living there. Students can present their posters afterwards.
3. Pick four things that the class can try to do in their homes to protect the homes of ocean animals.
4. For each idea/item selected draw a picture of what not to do, and what is ok to do.