

### **Jellyfish Dream**

## Auditorium Program for Grades PreK-K



Join JJ, a child curious about the ocean world, who uses the power of imagination to transform into a beautiful jellyfish. JJ travels through the ocean meeting other exciting species of jellies as well as predators. Students discover what a jellyfish is, how and why jellies sting and more.

**Lesson:** Learn about the life of jellyfish, how they swim, what they eat and how they sting, as well as other sea creatures the jellies encounter. Learn that our inland water sources are connected to the world ocean and affect the water quality there.

Conservation Message: All life on Earth exists as part of an ecosystem.

## **Curriculum Objectives:**

Tennessee students will apply the following Science Curriculum Performance Indicators:

- Recognizes that living things are made up of parts
- The student will identify the part that belongs to a specific plant or animal.

**Georgia** students will apply the following **Science Performance Standards**:

- Understands that plants and animals have varying life cycles
- Students will compare the similarities and differences in groups of organisms.

Alabama students will apply the following Science Course of Study Content Standards:

- Demonstrate knowledge of changes that plants and animals pass through during life cycles
- Compare size, shape, structure and basic needs of living things.



**Extend the learning experience** by adding some of these non-fiction literature suggestions to your lesson.

- Floating Jellyfish, Kathleen Martin ISBN 0822537699
- Gooey Jellyfish, Natalie Lunis ISBN 1597165107
- Jellies: The Life of a Jellyfish, Twig George ISBN 0761314857



## **Jellyfish Dream**

## Teacher's Guide to Vocabulary

**jellyfish** - A soft-bodied animal, mostly marine dwelling. They are carnivores that use stinging cells and tentacles to capture prey.

**mesoglea** - The jellylike material that is in the middle of the three layers of the jellyfish body. It is thin in polyps and thick in medusa.

**tentacle** - Long feelers surrounding the mouth of the polyp, which capture food and draw it back to the mouth.

**nematocyst** -The minute stinging structures on the jellyfish tentacles that contain poison for paralyzing prey.

**oral arms** - Appendage encircling the mouth of many jellyfish. These hang beneath the animal and are often long and frilly.

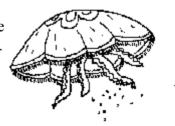
**predator** - An animal that eats another animal.

**prey** - An animal that gets eaten by another animal.

**pollution -** The dirtying of soil, water or air by the release of harmful substances.

#### medusa

Free-swimming stage of the jellyfish with a downward-pointing mouth - the adult.



#### planula

The microscopic, freeswimming, larval stage of jellyfish.



Free-swimming stage in the life cycle of 5 jellyfish that resembles an immature medusa.

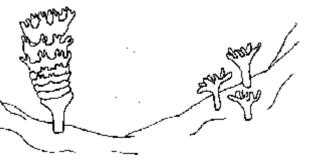




Stationary stage of the jellyfish, has a mouth surrounded by small, slender tentacles used to capture food.

#### strobila

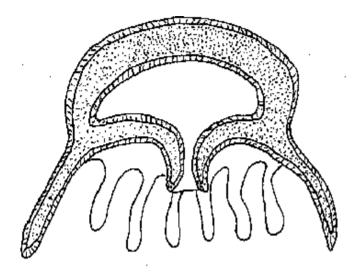
Stage in the jellyfish lifecycle that reproduces by budding off new ephyra.





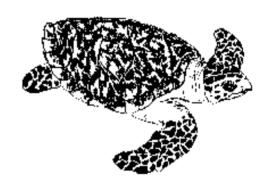
## Jellyfish Dream Activity Sheet

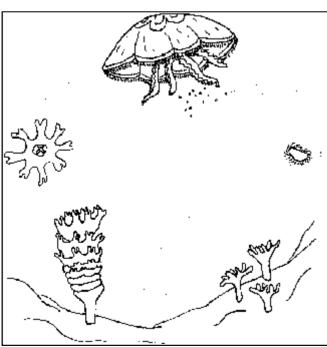
# Grab your crayons and follow the directions!!



- 1. Color the jelly's mesoglea yellow.
- 2. Put an X on the mouth
- 3. Color the stinging tentacles red.

Sea turtles are jellyfish predators or prey?





- 1. Draw a circle around the medusa.
- 2. Color the jelly's oral arms blue.
- 3. Color the planula orange.
- 4. Color the polyps pink
- 5. Color the strobila green.
- 6. Draw a box around the ephyra.