Engaging diverse youth in Ocean Science



02012 K.J. OSA



How I have engaged youth

- Squid dissection with Nemo program
- Battle of the species
- Expert Is In
- Gear Up program in Louisiana

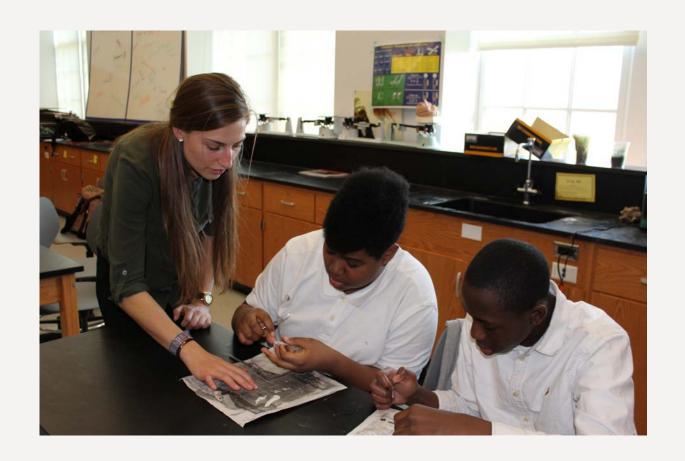
Strategies to raise awareness of ocean issues

- First, attract with interesting objects, visuals or exhibits
- Start off connecting with peoples values (why this matters and what's at stake)
- Question based conversations
- Make it relevant to them
- Find ways to increase family/group interaction
- Use stories
- Focus on solutions

Squid dissection



Squid dissection







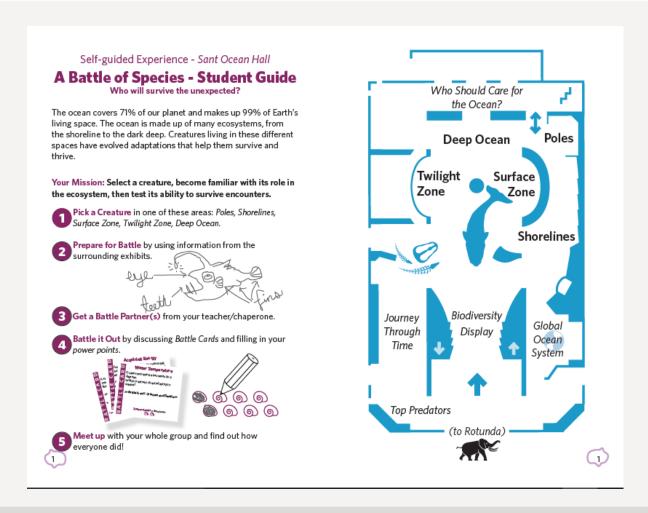
Sant Ocean Hall

Main message:

The ocean is a global system essential to ALL LIFE, including yours



Battle of the species



Battle of the species

Creature Profile

Pick a Creature in one of these areas: Poles, Shorelines,
Surface Zone, Twilight Zone, Deep Ocean.

Your creature's common name
scientific (Latin) name

Prepare for Battle by using information from the surrounding exhibits.

Draw your creature and label its features here:

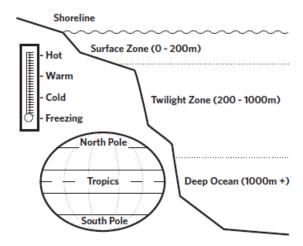
What are special powers (adaptations) that your creature has to ... *

get energy?	
move?	
reproduce?	
grow (develop, complete its lifecycle)?	
sense and respond to its environment?	

Some information for your creature may not be in the exhibits. What do you already know that can help you make an educated guess?

Creature Environment

Circle the environmental (abiotic) factors that best describe where your creature lives:



- Get a Battle Partner(s) from your teacher/chaperone.
- Battle it Out by discussing Battle Cards and filling in your power points:
- Meet up with your whole group and find out how everyone did!

Battle of the species

ATTLE CARD

Creature Environment

Over millions of years, tectonic activity causes the ocean depth to be 900 meters in the area where your organisms live. Which creature is best adapted to survive?

>>Battle it out! - Discuss and Decide<< 2 power points to the winner





Human Impact

A pirate fishing boat moves into the area and starts overfishing the region. They send nets down 20-50 meters.

Which creature will be able to escape the nets?

>>Battle it out! - Discuss and Decide<< 2 power points to the winner









Expert Is In



Expert Is In



Expert Is In





Gear Up

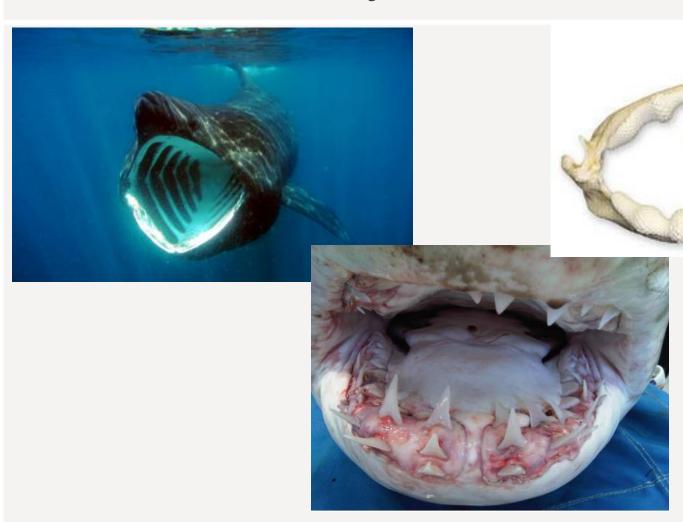


Gear Up





Shark Activity



Questions?