+ Starfish

- Diet starfish eat clams, oysters, or any animals, some are detritivores. Some consume coral polyps, sponges, and planktons.
- Predators- Triton Trumpet- Charonia tritonis, some puffer fish, Harlequin Shrimp-Hymenocera elegans, Reef Crab-Trapezia.
- Latin name- Echinodermata
- Habitat- The greatest variety of starfish is found in the tropical Indo-Pacific, tropical-temperate regions around Australia as well as the tropical East Pacific, cold-temperate water of the North Pacific, also found in European waters on the eastern coast of the United States.



Sea stars are found more on bladder wrack.



Sea stars prefer bladder wrack. Do they eat it? Is it Healthy? Good Protection? Support surfaces?



+ Hypothesis

 More Seastars will be found on bladder wrack then on any other wrack such as serrated wrack or twisted wrack.



+ Null Hypothesis

 Sea stars don't prefer bladder wrack to the others. No more sea stars are found on bladder wrack. We took two different types of wracks and put them on opposite sides and tied a rock to their roots.

- We put 11 sea stars in the middle of the aquarium.
- We left it for half a day.

Experiment

- We waited for the sea stars to spread out.
- Counted how many were on each plant, rock and glass.

Looked and wrote down the results.



- We found:
- 4 on the glass,
- l on the rock,
- 6 on the serrated wrack
- 0 on the twisted wrack





- We found:
- 3 on the glass
- l on the rock
- 3 on the serrated wrack
- 4 on the bladder wrack





- We found:
- 3 on the glass
- 0 on the rock
- 5 on the twisted wrack
- 3 on the bladder wrack





Fake environment

- Bladder were collected after the two other wracks, fresher
- Couldn't control the amount of each wrack put in the aquarium
- Starfish might have found it more difficult to get to the wrack with the rock than the one without the rock.
- The serrated wrack had animals on it therefore extra food

+ Improvements

- Weight and measure the amount of each wrack
- Find out before the experiment what starfish eat
- Make sure the wrack is collected on the same day
- Make sure none of the wracks have animals on them
- We could add extra sand ext so the starfish are more in their natural environment
- Put weed in the middle of the aquarium so the sea stars don't stick to the glass
- Do the experiment a second time