

# Drama Time - Telling Tales of Tides on the seashore



The changing tides each day affect the seashore creating 'extremes' in environment for many of the marine animals and algae (seaweeds) that live there. Many of the animals have adapted to the conditions of having lots of water to live in, to then having to survive in very little, to no water at all – all because the tide goes out.

## 1. Exploring the seashore and observing the tides:

Observe, investigate and record how the tides affect the seashore environment and the diversity of animals that have to adapt to the changing tides every day. Think about the extreme conditions from an animal's perspective of what it would be like living in a home that disappears 'twice a day'. Maybe you can relate to the animals that have to stay in a restricted area for a long period of time?

- The splash zone is above the high tide mark. Salt water only splashes into it at very high tides and storms. Are there any animals that would be affected by very high tides and storms?
- The intertidal zone is made up of the upper, middle and lower shore which is home to a diversity of species that have to survive out of the water during the changing tides.
  - What happens to the animals in the different zones? What do they do to survive the low tides?
  - What happens if an animal gets stuck in an area where they have to contend with the sun drying out their rockpool?
  - Are they safe in a rockpool – what other predators have ended up in the same rockpool as them?
  - Does the algae (seaweeds) survive being out of the water?
  - Does the seaweed help to protect any of the animals?
- The subtidal zone is uncovered by water during extremely low tides. Are there any animals that would need to be careful in this area

## 2. When you are back from the seashore:

Complete the chart below and provide information of the main algae plants and animals, highlighting where they are likely to be found in the different zones on the seashore.

The Animals: Seabirds, Shellfish such as mussels, limpets;, Crabs & Relatives – Crustaceans; Fish including the blennies, Starfish & Sea Urchins – Echinoderms, Sea Anemones & Relatives – Cnidarians.

	Splash Zone:
	Intertidal Zone: <b>Upper Shore</b>
	<b>Middle Shore</b>
	<b>Lower Shore</b>
	Subtidal Zone:

## 3. Create a story board for a drama

Tell the story of the Tales of the Tides - the tale of the life of an seashore animals experience of having to contend with the changing tides on the seashore.

- Elements of the story should include: Genre: Action, Adventure, Comedy, Crime or Drama,
- Belief – this is the life of ....
- Role and character of the animals,
- Action, Place, Time – Tide and Tale
- Tension – what is the climatic point,
- Significance - what is the resolution.