



MARINE STUDIES

Term 4 - Weeks 2 & 3

Topic: Local Fishing Industries

Year Group: 9

Student Name: _____

Please Circle Your Team:

1	2	3	4	5	6	7	8	9
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<p><u>Work Overview & Instructions</u></p> <ul style="list-style-type: none">Attached is the work for Marine Studies in Weeks 2 & 3.Students will be completing lessons on the topic of LOCAL FISHING INDUSTRIES.	<p><u>Enquiry Questions</u></p>
<p>Assessment Overview (If required)</p>	<p><u>Feedback Instructions</u></p> <ul style="list-style-type: none">Students will need to complete and submit activities on Google Classrooms.Regularly check feedback provided.Attend Video Conferences if possible



**BRISBANE
WATER
SECONDARY
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Student Feedback

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Marine Studies, Term 4 Local Fishing Industries

WEEK 2-3



**YEAR 9
WEEK 2
LESSON 1**

Copy into your notes

Fishery

- A place where fish are caught for commercial purposes

Task 1: Submit this on Google Classroom

Mapping Australia's important Fisheries

- Find a clear map of Australia.
- Use the information on the following slide to indicate Australia's commercial fisheries on an Australian map.
- Construct a key that clearly identifies each fishery.



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Bass Strait Scallop fishery: Runs the entire length of Victoria in the body of water between Victoria and Tasmania

Coral Sea fishery: Located in the Coral Sea parallel to the Great Barrier Reef between Fraser Island and Cape York

Eastern Tuna and Billfish fishery: Extends along the entire coastline from Cape York all the way down to the South Australian/Victorian border

North West Slope Trawl fishery: Located in the Indian ocean along the Western Australia coast from Shark Bay to Kulumbu (the suburb just before the most northern part of WA)

Northern Prawn fishery: Located off Australia's northern coast, extending between Cape York and Cape Londonderry (WA) in the Gulf of Carpentaria and the Timor Sea

Small Pelagic fishery: Runs from the QLD/NSW border all around the coastline to Lancelin (just north of Perth)

Southern and Eastern Scalefish and Shark fishery: Extends along the coastline from Rockhampton, around Lord Howe Island to Albany (the southern-most part of WA)

Southern Bluefin Tuna fisheries: Extends along the entire perimeter of Australia

Southern Squid Jig fishery: Runs from the QLD/NSW border, around Lord Howe Island and along the coast until Esperance (half way along the bottom on WA)

Western Deepwater Trawl fishery: Located kms off the coast of WA between Bunbury and Exmouth



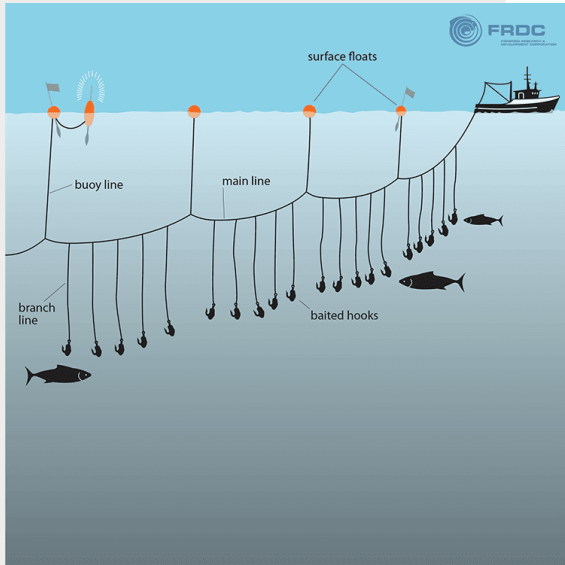
YEAR 9 WEEK 2 LESSON 2

Watch the youtube clip, glue in the picture, read the paragraph and write 2 ways LINING can reduce damage

Commercial techniques used to catch seafood in NSW

LINING

<https://www.youtube.com/watch?v=yzkdXFh7N6A>



Drifting longlines have the mainline suspended horizontally in the water by *buoy lines*, with floats spaced regularly every 200–400 m along their length. *Branch lines* (25–50m long) are attached at regular intervals along the mainline. Each branch line has a baited hook that are at different depths depending on its position on the curve.

Reducing damage from longlines:

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Watch the youtube clip, glue in the picture, read the paragraph and write 2 ways NETTING can reduce damage

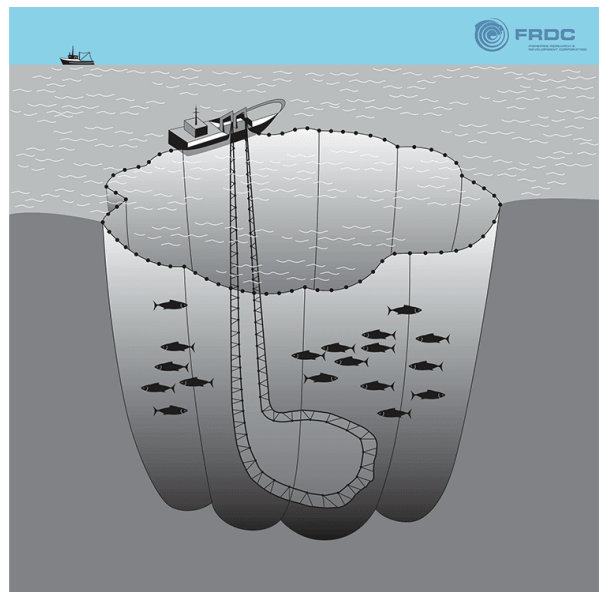
NETTING

<https://www.youtube.com/watch?v=4JUKvrfasIM>

Purse-seine nets: target schooling pelagic fish species such as Blue-Fin Tuna. The fishing vessel travels around the school, setting the net, and the headline is then winched in from both ends, closing off the bottom of the net. The net is then pulled in towards the boat, and the catch is lifted out.

Reducing the damage of purse seine nets:

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Watch the youtube clip, glue in the picture, read the paragraph and write 2 ways TRAWLING can reduce damage

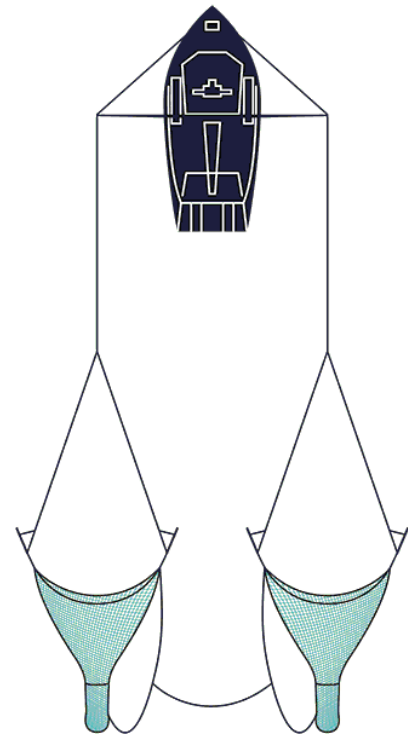
TRAWLING

<https://www.youtube.com/watch?v=BnmGbDN278Y>

Bottom trawling is often used for prawning. Prawn trawling involves dragging a ground chain along the ocean floor which disturbs the prawns and causes them to jump into the path of the oncoming net. The ground chain also reduces the chance of the net snagging.

Reducing the damage of bottom trawling:

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YEAR 9
WEEK 3
LESSON 3

Task 3

In your own words, write a paragraph explaining “the importance of local fisheries to the local economy”.

Hint: Remember, “**economy**” means money. So write a paragraph about why local fisheries are important for the community earning money. You may like to use previous lessons notes or google to help with any examples you would like to use.



**YEAR 9
WEEK 3
LESSON 4**

Watch this clip

Case study: Tuna Cowboys (YouTube)

<https://www.youtube.com/watch?v=3Mv2XyMs2MI>