



THE CHRISTMAS LOBSTAR

Teacher resources - Lesson plan



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LESSON OVERVIEW



In this 40-60 minute lesson, learners will discuss lobsters using the clip [The space telescopes inspired by lobsters](#) as a starting point. Learners will examine some key differences between Australian and European/American lobsters while crafting a LobStar Tree-Topper for the festive season. This lesson is suitable for learners aged 10+.

Key terms

- Seafood
- Rock Lobster
- Space
- X-ray Telescope
- Wide-angle vision
- Reflection
- Refraction
- Sustainability

You will need

- The clip [The space telescopes inspired by lobsters](#)
- LobStar Tree-Topper Instructions & Activity Sheet (page 3 & 4)
- LobStar Craft supplies - see page 3

Australian Curriculum

Science

Stage 3 - [AC9S5H02](#) / [AC9S6H02](#)

Stage 4 - [AC9S7H01](#) / [AC9S8H01](#)

[AC9S7H03](#) / [AC9S8H03](#)

[AC9S7H02](#) / [AC9S8H02](#)

Visual Arts

Stage 2 - [AC9AVA4C01](#)

Stage 3 - [AC9AVA6C01](#)

Stage 4 - [AC9AVA8D01](#)

[AC9AVA8C02](#)

Class Activities

- Learners discuss Christmas seafood, with a focus on lobsters
- Learners watch a video to learn how lobsters inspired the design of the X-ray telescope
- Learners craft a LobStar Tree-Topper for the festive season
- Extension activities offered for Science, Geography and Food Technology Stages 3-6





Starter (10-15 mins)



Begin with a short class discussion about seafood at Christmas time, asking questions such as:

- Do any students eat lobster, prawns or other kinds of seafood at Christmas time
- What are their favourite Christmas seafood dishes?
- Why do they think these foods are traditional for their families?
- Do learners know where their seafood comes from?
- Do they know if their seafood is sourced sustainably? How might they find out?

Next, explore what learners already know about lobsters. Provide them with fun facts about lobsters, including some differences between Australian and European/American lobsters. Facts can be found on the [Christmas Lobster: Fishery Factsheet](#).

Main activity (30-40 mins)



Show learners the clip [The space telescopes inspired by lobsters](#) (01:32) to learn about the special relationship between lobsters and outer space!

Explain to students that they will be constructing a fun LobStar Tree-Topper, to celebrate Summer seafood in Australia. Provide them with the LobStar Instruction and Activity sheets. You may also show them the [short instructional video](#) for guidance.

Discussion (5 mins)



Discuss with learners what they plan to do with their LobStar craft, and how they will celebrate the holiday break with their families.

To continue learning, explore our range of extension activities on pages 5&6.

INSTRUCTIONS THE CHRISTMAS LOBSTAR



You will need:

- LobStar Activity sheet (preferably printed on a **red A4 sheet of paper**)
- Scissors
- Glue or sticky tape
- Empty toilet roll (Note: if there are not enough toilet rolls for each learner, toilet rolls can be reused to re-roll the LobStar and simply slid off ready for the next learner to use)
- Craft supplies to decorate (e.g. colouring pencils, texters, glitter, stickers, googly eyes)

Instructions

[Watch the instructional video](#)

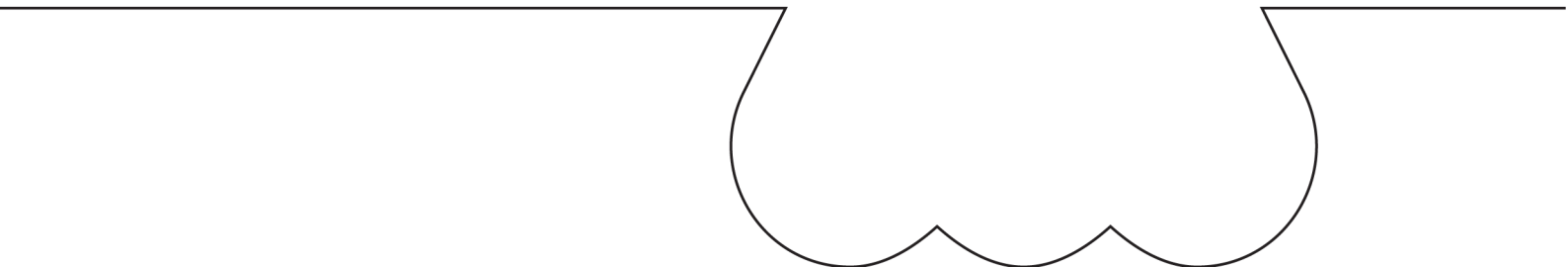
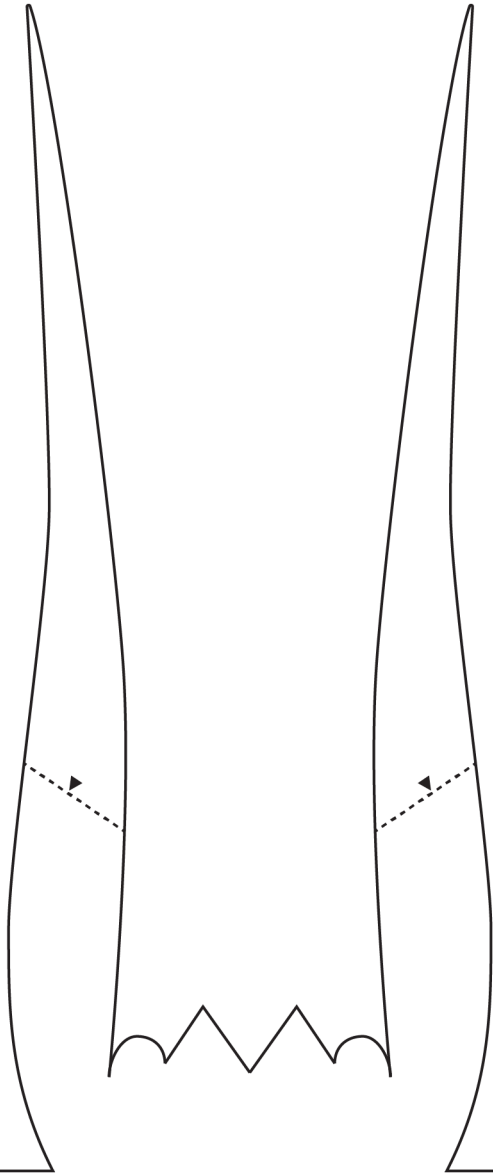
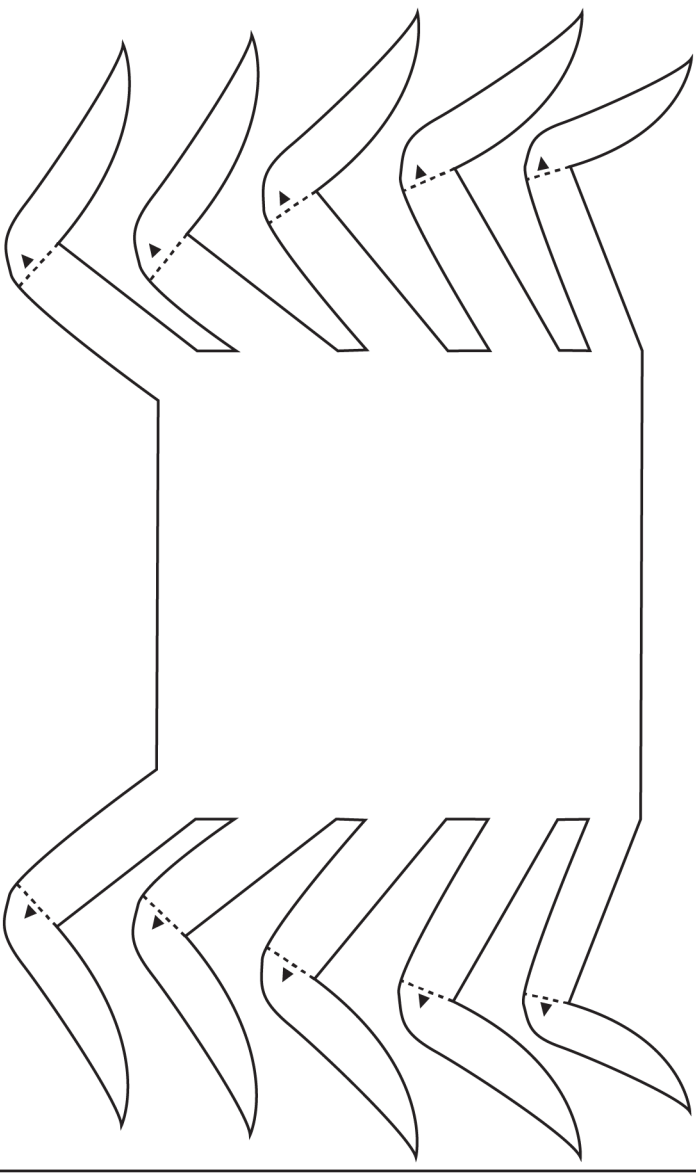
1. If decorating your LobStar with colouring pencils/texters/glitter, do this before cutting it out. If drawing on the eyes, put them in the circles next to the antennae
2. Cut out your LobStar along the black solid lines
3. Add any further decorations like stickers or googly eyes
4. Stick LobStar body around empty toilet roll
5. Stick LobStar legs on the underside of the body
6. Fold legs and antennae along dotted lines. If you're unsure which way to fold them, refer to the [instructional video](#)
7. Place LobStar on top of your tree and make them the star!



Note: Keep LobStar crafting away from cute pets as they may cause a distraction!

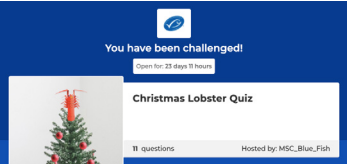



LobStar Tree-Topper craft designed by [Green Island Creative](#)








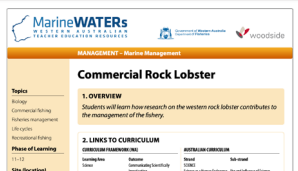
LEARN ABOUT LOBSTERS ACTIVITIES



Activity	Description	Subject	Curriculum Objectives
<p>Kahoot Quiz</p> <p>Game Pin: 001511294</p> 	<p>Answer quiz questions based on the Christmas Lobster Fishery Factsheet and short video clip.</p> <p>15 mins</p>	Science	<p>Years 5&6 (Stage 3)</p> <ul style="list-style-type: none"> ACSSU043 ACSSU094 <p>Years 7&8 (Stage 4)</p> <ul style="list-style-type: none"> ACSSU112 ACSHE223 <p>Years 9&10 (Stage 5)</p> <ul style="list-style-type: none"> ACSHE158
<p>Chemistry in the Kitchen</p> 	<p>Watch the Q&A video about lobsters and discuss any questions learners might have.</p> <p>30 - 45 mins</p>	Science	<p>Years 5&6 (Stage 3)</p> <ul style="list-style-type: none"> ACSSU043 ACSSU094 ACSHE083 / ACSHE100
		Food Tech	<p>Years 7&8 (Stage 4)</p> <ul style="list-style-type: none"> ACTDEK032 ACTDEK033
<p>Fishery Factsheet: Christmas Lobster</p> 	<p>Provide learners with factsheet, and test your knowledge with the Kahoot Quiz</p> <p>15 - 20 mins</p>	Science	<p>Years 5&6 (Stage 3)</p> <ul style="list-style-type: none"> ACSSU043
		Geography	<p>Years 7&8 (Stage 4)</p> <ul style="list-style-type: none"> ACSSU112 ACHGK067
<p>WA Rock Lobster Fishery Story</p> 	<p>Read the story behind WA's rock lobster fishery and discuss how the Australian lobster industry adapted to crisis. Ask students to research more recent challenges that the lobster industry faces in 2020/21</p> <p>30-40 mins</p>	Geography	<p>Years 5&6 (Stage 3)</p> <ul style="list-style-type: none"> ACHGS039 / ACGHS046 ACHASSK121 <p>Years 9&10 (Stage 5)</p> <ul style="list-style-type: none"> ACHGK063 ACHGK064 ACHGK075

LEARN ABOUT LOBSTERS ACTIVITIES



Activity	Description	Subject	Curriculum Objectives
<p>Barbecue Rock Lobster Recipe</p> 	<p>Prepare a simple BBQ rock lobster recipe while discussing the impact of choosing sustainably-sourced seafood.</p> <p>30 - 40 mins</p>	Food Tech	<p>Years 5&6 (Stage 3)</p> <ul style="list-style-type: none"> ACTDEK019 <p>Years 7&8 (Stage 4)</p> <ul style="list-style-type: none"> ACTDEK029 ACTDEK032
<p>Lobster Sustainability</p> 	<p>Discuss the impact of choosing sustainable seafood with learners.</p> <p>10 - 15 mins</p>	Food Tech	<p>Years 5&6 (Stage 3)</p> <ul style="list-style-type: none"> ACTDEK019 <p>Years 7&8 (Stage 4)</p> <ul style="list-style-type: none"> ACTDEK029 ACTDEK032
<p>Lobster Trade Pros/Cons</p> 	<p>Read an article about why more Australians are eating lobster for Christmas this year. As a class, make a list of the pros/cons of the lobster trade situation.</p> <p>15 - 20 mins</p>	Geography	<p>Years 5&6 (Stage 3)</p> <ul style="list-style-type: none"> ACHGS039 / ACGHS046 ACHASSK121 <p>Years 9&10 (Stage 5)</p> <ul style="list-style-type: none"> ACHGK063 ACHGK064 ACHGK075
<p>Rock Lobster Lesson Plan</p> 	<p>Discuss the lobster life cycle with students, using this lesson plan designed by Marine Waters (Department of Fisheries, WA)</p> <p>45 mins - 1 hour</p>	Science	<p>Years 11&12 (Stage 6)</p> <ul style="list-style-type: none"> Science as a Human Endeavour Science Inquiry Skills Science Understanding