

# Lesson Plan

## Year 5 Science

### Crustaceans

YEAR 5 SCIENCE – BIOLOGICAL SCIENCE  
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Come Dive with Me Science Series

**Lesson Plan Year 5 Science - Crustaceans**

<b>Topic</b>	<b>Comparing Blue Manna Crab and Decorator Crab</b>
Curriculum Links	Science - Biological Understanding <a href="#">AC9S5U01</a> examine how particular structural features and behaviours of living things enable their survival in specific habitats.
Lesson Duration	1 hour
Lesson Objectives	<ul style="list-style-type: none"> <li>• Students will be able to identify and describe the structural features of the blue manna crab and decorator crab.</li> <li>• Students will understand how these features and behaviours enable the survival of each species in their specific habitats.</li> <li>• Students will compare and contrast the adaptations of the blue manna crab and the decorator crab.</li> </ul>
Materials needed	<ul style="list-style-type: none"> <li>• Images or videos of blue manna crabs and decorator crabs (see Come Dive with Me)</li> <li>• Whiteboard and markers</li> <li>• Worksheets with comparison tables / Venn Diagram / T Chart</li> <li>• Crayons/colored pencils</li> <li>• Internet access for research (if applicable)</li> </ul> <p>Websites  <a href="#">Crustaceans - Come Dive with Me</a>  <a href="#">Blue swimmer crabs</a>  <a href="#">Blue manna crab   Department of Biodiversity, Conservation and Attractions</a></p>

**Lesson Activities:****Introduction (10 minutes)**

1. **Hook Activity:** Show images or a short video of blue manna crabs and decorator crabs to grab students' attention.
2. **Discussion:** Ask students what they notice about the two types of crabs. Write their observations on the whiteboard.

**Main Activity (35 minutes)**

1. **Group Work:** Divide students into small groups. Give each group a worksheet with a comparison table that includes sections for structural features, behaviours, and habitats of the blue manna crab and decorator crab.
2. **Research and Observation:** Provide students with resources (books, tablets for internet research) to find information about the blue manna crab and decorator crab. Encourage them to fill in the comparison table with specific details.
3. **Class Discussion:** Reconvene as a class and discuss the findings. Write key points on the whiteboard. Focus on:
  - **Blue Manna Crab:** Structural features (e.g., blue color, long slender claws), behaviours (e.g., strong swimming, walking sideways), habitat (e.g., estuaries, bays, under jetties).
  - **Decorator Crab:** Structural features (e.g., setae for attaching decorations), behaviours (e.g., camouflage), habitat (e.g., shallow waters, coral reefs).

**Comparison and Analysis (10 minutes)**

1. **Venn Diagram:** On the whiteboard, draw a Venn diagram to compare and contrast the adaptations of the blue manna crab and the decorator crab. Ask students to contribute their findings to the diagram.
2. **Discussion:** Highlight how the structural features and behaviours of each crab help them survive in their specific habitats.

**Conclusion (5 minutes)**

1. **Recap:** Summarize the key points of the lesson. Emphasize the importance of adaptations in survival.
2. **Exit Ticket:** Ask students to write one interesting fact they learned about each crab and one way the crabs' adaptations help them survive.

**Assessment:**

3. **Exit Ticket:** Ask students to write one interesting fact they learned about each crab and one way the crabs' adaptations help them survive.
- Observe students during group work and class discussions to assess their understanding.
  - Review the completed worksheets and exit tickets to evaluate students' grasp of the topic.

**Extension Activity:**

- **Art Project:** Have students create their own "decorator crab" using craft materials. They can choose materials to attach to a crab template to demonstrate understanding of camouflage and adaptation.
- Using [VOKI](#), create an animation that introduces their chosen crab and what its main features are.
- Create an animation of a crab in **Scratch** or **Scratch Junior**
- Create a **poem** about their chosen crab

**Conclusion**

This lesson should help Year 5 students compare and understand the structural features and behaviours of the blue manna crab and the decorator crab, and how these adaptations enable their survival in specific habitats.