Activity 1: Cubist fish

Year level
Prep and upwards

Overview
This activity can be structured to suit different year levels. Students apply different skill levels to produce a poster or work of art relating to fish and their threats.

Outcome
Students will gain an understanding of fish species in the Great Barrier Reef, and the threats they face, as well as examples of ways individuals can take action to increase fish populations and habitats. They will also learn about the Cubist art movement.

Materials
• Dependent on year level and activity, see each year level.

What to do
Prep and Year 1
Provide students with a fish design with lines and segments already included for students to colour in sections. Alternatively, students can draw a fish, cut it up and glue back in a new way. See examples below.

Year 3 and 4
Students can be given a template of a fish and they create their own patterns and lines.
Activity 1: Cubist fish

Year 5 and upwards

Students can create their own piece of Cubist art using a fish commonly caught from the Great Barrier Reef as inspiration. The following videos give tips and techniques for Cubist art:

YouTube: How to draw cubism art (3:52mins)
https://www.youtube.com/watch?v=V15rXg1nJ6w
YouTube: Cubism art drawing tutorial (3:08mins)
https://www.youtube.com/watch?v=01kEVCxDIVU

Include a label for the piece of artwork. Frame piece of work using black cardboard, including:
1. artist’s name
2. title of the work and year made
3. medium used
4. technique used
5. information regarding fishing regulations (e.g. size/bag limits and open/close seasons)
6. positive reef practices to help the fish

Curriculum links
Cross curriculum priority - sustainability

General capabilities:
Literacy, numeracy, information and ICT capability and critical and creative thinking

Visual Arts:
Explore ideas, experiences, observations and imagination to create visual artworks and design, including considering ideas in artworks by Aboriginal and Torres Strait Islander artists (ACAVAM106)
Explore ideas and artworks from different cultures and times, including artwork by Aboriginal and Torres Strait Islander artists, to use as inspiration for their own representations (ACAVAM110)
Explore ideas and practices used by artists, including practices of Aboriginal and Torres Strait Islander artists, to represent different views, beliefs and opinions (ACAVAM114)
Use and experiment with different materials, techniques, technologies and processes to make artworks (ACAVAM107)
Use materials, techniques and processes to explore visual conventions when making artworks (ACAVAM111)
Develop and apply techniques and processes when making their artworks (ACAVAM115)
Create and display artworks to communicate ideas to an audience (ACAVAM108)
Present artworks and describe how they have used visual conventions to represent their ideas (ACAVAM112)
Plan the display of artworks to enhance their meaning for an audience (ACAVAM116)

Information Links
**Activity 2: Design and create a new fish species to live on the Reef**

**Year level**
Year 5

**Overview**
Students design and construct a new creature to live on the Great Barrier Reef using the ChatterPix app, and record themselves explaining the adaptations, threats it faces and positive actions which can be taken to reduce the threats. Students should think about the role of their fish and how it benefits the Reef. Additionally, what would happen if it was overfished and removed completely from the Reef.

**Outcome**
Students will consider structural and behavioural adaptations (sustainability) when creating the new creature. They will learn how to use the program app ChatterPix. They will develop skills in communicating ideas through presentation.

**Materials**
- Access to the internet for research
- A way to draw their new fish concept and write their descriptive paragraph — pen and paper, keyboard and computer
- Plasticine, sticks, paper, pipe cleaners and more, to create the new fish

**What to do**
1. Show students an example of a new fish using ChatterPix. See the video:
   YouTube: Clownangler Fish [https://www.youtube.com/watch?v=R9JrpOu7SM](https://www.youtube.com/watch?v=R9JrpOu7SM)
2. Display pictures of fish species found on the Great Barrier Reef for inspiration.
3. View videos to show examples of shapes, sizes, colours and patterns.
   YouTube: Types of saltwater aquarium fish (2:51mins) [https://www.youtube.com/watch?v=jllulkrXKqQ](https://www.youtube.com/watch?v=jllulkrXKqQ)
   YouTube National Geographic: Great Barrier Reef | Exploring Oceans (4:06mins) [https://www.youtube.com/watch?v=wbNel3vKVM](https://www.youtube.com/watch?v=wbNel3vKVM)
   YouTube: Fishworks adaptation video for elementary students (9:58mins) [https://www.youtube.com/watch?v=OvQqdxFlFxg](https://www.youtube.com/watch?v=OvQqdxFlFxg)
4. Students draw a design of their new fish to live on the Great Barrier Reef, considering structural and behavioural adaptations.
5. Students construct their creations using plasticine, sticks, paper, pipe cleaners and more.
6. Students then write a paragraph stating the name of their creature, two adaptations, one threat and one positive action we can take to minimise the threat.
7. Using the ChatterPix app, students can take a photo of the fish, draw in a mouth and record their paragraph. ChatterPix has a time limit of 30 seconds.

**Curriculum links**
Cross curriculum priority - sustainability

**General capabilities:**
Literacy, numeracy, information and ICT capability and critical and creative Thinking.

**Science:**
Living things have structural features and adaptations that help them to survive in their environment (ACSSU043)
Communicate ideas, explanations and processes using scientific representations in a variety of ways, including multi-modal texts (ACSI093) & (ACSI110)

**Information Links**
[https://www.youtube.com/watch?v=TS6dMlY0itM&feature=youtu.be](https://www.youtube.com/watch?v=TS6dMlY0itM&feature=youtu.be)
[https://www.youtube.com/watch?time_continue=67&v=DygyYL4dyI8&feature=emb_logo](https://www.youtube.com/watch?time_continue=67&v=DygyYL4dyI8&feature=emb_logo)