



Seagrass Scar Solutions Challenge Card

Mission: You are marine conservation engineers!

Seagrass meadows are being damaged by human activities, leaving scars caused by boats, vehicles, pollution, and algae overgrowth.

Your challenge is to work together to design a creative solution to protect seagrass meadows, prevent these scars, and help them recover.

1. Choose your stressor

As a group, pick one stressor to focus on:



Boat moorings

Chains and anchors dragging across the seabed.



Vehicles

Cars or quad bikes driving through intertidal seagrass beds.



Algae overgrowth

Pollution causing thick algae to block sunlight.



Sediment disturbance

Construction or turbulence burying seagrass or blocking light.

2. Research solutions

Work together to explore real-life strategies to inspire your solution. Ideas might include:

Advanced Mooring Systems

Special moorings that don't drag on the seabed.

Seagrass restoration

Replanting seagrass in damaged areas.

Education campaigns

Teaching people to protect seagrass.

Pollution reduction

Stopping nutrient runoff to improve water quality.

Divide research tasks between your group members to gather information quickly.

3. Design your group solution

Combine your ideas to create one group solution.

Choose how to present it:

Create a diagram

Show how your solution works and label its parts.

Build a model

Use recycled materials to create a 3D version of your solution.

Create a poster or infographic

Explain the stressor, its impact, and your solution visually.

Ensure every team member contributes to the final design!

4. Present your solution

Work together to prepare a short group presentation.

Explain:

1. What stressor you focused on.

2. Your group's solution and how it works.

3. Why your solution will help protect seagrass meadows.

Role-play as conservation scientists to make your presentation fun and engaging!

5. Reflect

After your presentation, discuss as a group:

What inspired your solution?

How does it help protect seagrass ecosystems?

What other ideas could people use to protect seagrass?

Seagrass Solution Presentation Self-assessment Checklist

Content

- ☐ We clearly explained the stressor we focused on.
- ☐ We described our solution and how it works.
- ☐ We explained why our solution will help protect seagrass meadows.

Visuals

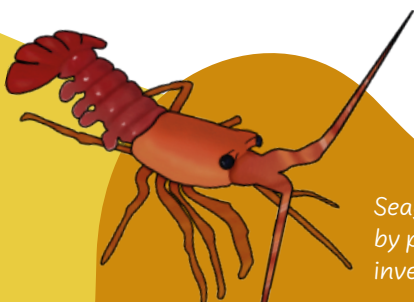
- ☐ We used a diagram, model, or poster to support our explanation.
- ☐ Our visuals were clear and easy for the audience to understand.
- ☐ We labelled important parts of our visuals.

Delivery

- ☐ Everyone in the group participated in the presentation.
- ☐ We spoke clearly and at a good pace so everyone could hear and follow.
- ☐ We stayed on topic and kept the audience engaged.

Engagement

- ☐ We answered questions from the audience confidently.
- ☐ We encouraged the audience to think about ways to protect seagrass.



Seagrass meadows support biodiversity by providing habitats for fish, invertebrates and marine mammals.