

Port Phillip Bay's MOST UNWANTED

Objectives:

1. **Students will** identify ways in which marine pests have invaded Port Phillip Bay.
2. **Students will** list several species of marine pests that are a local problem.
3. **Students will** research one species of marine pests.
4. **Students will** create an informational poster highlighting the concerns with a Port Phillip Bay marine pest.

Instructions:

1. Show students the video titled "**Marine Pests.**"
2. During the video, students may complete the companion worksheet "**Marine Pests Video Questions.**"
3. *Optional:* Show students images of "Most Wanted" posters online. Point out features such as the name, alias, description, list of crimes committed, and what to do if found. Explain that the students will be creating a Most Unwanted Poster for a marine pest.
4. Students should form groups of 2-4 to work cooperatively.
5. Each group should choose a different marine pest from the following choices:
 - Northern Pacific Sea Star, *Asterias amurensis*
 - Wakame, *Undaria pinnatifida*
 - Pacific Oyster, *Crassostrea gigas*
 - Green Shore Crab, *Carcinus maenus*
 - European Fan Worm, *Sabella spallanzanii*
 - New Zealand Screw Shell, *Maoricolpus roseus*
 - Aquarium Caulerpa, *Caulerpa taxifolia*
 - Red Algae, *Grateloupia turuturu*
 - Asian Date Mussel, *Musculista senhousia*
 - Cord Grass, *Spartina anglica* and *Spartina x townsendii* sp
6. Using the information from the video, and the **Marine Pests in Victoria: A Quick Reference Guide** from Parks Victoria, students should work together to create a "Most Unwanted" poster for one of the marine pests. In the poster, include the following:
 - "Name" – Scientific name of marine pest
 - "Alias" – Common name of marine pest
 - "Mug Shot" – Drawing or computer-generated image of marine pest
 - "Description" – Physical description of marine pest
 - "Crimes Committed" – Information on the impacts the marine pest is having on Port Phillip Bay's native species
 - "If Found..." – What to do if the marine pest is found
7. If time allows, students can present their posters to class. Alternatively, poster can be displayed.

Materials:

- Marine Pests video
- "Marine Pests Video Questions"
- Paper for making poster
- Markers/colored pencils
- Access to Parks Victoria's Marine Pests in Victoria: A Quick Reference Guide either printed or online at <https://parkweb.vic.gov.au/park-management/environment/weeds-and-pests/marine-pests>

Summary:

After watching the Marine Pests video, students will work in groups to create a "Most Unwanted" poster for one of Port Phillip Bay's marine pests.

Level:

Middle School,
High School

