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## **Lesson Five**

*Sea Changes: Yesterday, Today, and Tomorrow*

Objectives

List of Teaching/Learning Resources

The Lesson Plan

Alternate or Additional Activities

Print Resources

PowerPoint Presentation (hard copy)

PowerPoint Presentation with Teacher Notes  
(hard copy)

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## ***Sea for Yourself: Lesson Five***

**Title:** Sea Changes: Yesterday, Today, and Tomorrow

**Objectives:**

Students will be able to

1. compare aspects of marine transportation careers of the past to those of the present (lifestyle, gender issues, equipment, etc.)
2. discuss aspects of the marine transportation industry of the future

**Teaching/Learning Resources:**

- Lesson Five PowerPoint Presentation\*
  - Lesson Five PowerPoint Presentation with Teacher Notes\*
- \* Hard copies are included in this section; electronic copies are provided in Appendix C and on the COMPASS website.

### **The Lesson Plan**

*Opener/Attention Getter:*

Discussion Questions:

1. What do you think marine transportation careers were like in the past?
2. How do you think these careers have changed?
3. What do you think they will be like in the future?

*Lesson Body:*

Teacher Presentation

Deliver Lesson Five PowerPoint Presentation to highlight some of the changes that have occurred/will occur in marine transportation careers and to spark further student discussion about these changes.

*Student Activity:*

Sea My Future: My Vision/My Profile

Have students consider the following scenario:

The year is 20XX (10 to 15 years from now – you choose). You have advanced in your marine transportation career. You might be the captain or chief engineer of a vessel, a senior marine systems designer or naval architect, the safety manager of a large shipping company – whatever is a possibility for you.

- Have each student project into the future and write a profile of him/herself. (Students should use the same headings found in the *Sea for Yourself* Career Profiles.)

Have students include their journal entries as *Sea Chest: Entry Five* of their Course Content Portfolios.

## Alternate or Additional Activities:

1. *Sea Changes* Guest Speakers Assignment  
Invite an older mariner and a younger mariner as guest speakers to share/compare their experiences about life in the marine transportation industry. (They could address specifically the topics covered in this lesson in addition to other issues such as salary, for example.)
2. Journal Entries: Have students choose one of the following activities, some of which may require research.
  - Lifestyle and Work Environment  
Today's marine transportation careers offer an attractive lifestyle; they allow people to work anywhere in the world but continue to live at home in this province. Have students write a journal entry that lists the personal benefits of this shift system lifestyle and the benefits to the community and/or province.
  - Gender Issues
    - A. Have students write a journal entry that offers suggestions for recruiting young women into marine transportation careers. (A collection of suggestions could be compiled from these journal entries and forwarded to COMPASS.)
    - B. This is a new era for female mariners. Have students write a journal entry that presents their research findings on some advances women have made in the marine transportation industry in recent years.
  - The Future
    - A. Have students write a journal entry that presents their research findings on futuristic ideas for powering ships. Some possibilities to choose from include the following:
      - Wind/Solar/Wave power (Skysails, Rotorship, Rigid Sails, etc.)
      - Liquefied Natural Gas (LNG)
    - B. Have students write a journal entry that presents their research findings on futuristic ideas for vessel design (cargo vessels, cruise ships, etc.).
  - Safety  
Have students write a journal entry that presents their research findings on standard safety equipment generally found on ships today.

Have students include their journal entries as *Sea Chest: Entry Five* of their Course Content Portfolio.