

WATERFRONT MODULE

FOR TEACHERS

SNAP SHOT

Our Waterfront Module focuses on creative thinking and group collaboration as students are tasked with collecting materials for, building, and testing a miniature raft. Using an inquiry-based approach, students will work together to design a raft, procure materials, and test their design alongside classmates.

BIG IDEA

Building a raft in a team setting requires good communication, planning, and problem solving skills.

CORE COMPETENCIES

- Creative and Critical Thinking
- Communication

LEARNING TARGETS

1. Students will cooperatively design and test a raft.
2. Students will share ideas, talk through procedures, and ask questions throughout the process.
3. Students will generate and introduce new or refined ideas when problem solving.

GUIDING QUESTIONS

1. How can I participate well and help my group design a raft?
2. How do I effectively share my ideas with my group, and listen to the ideas of others as we build a raft?
3. How does testing our raft allow me to introduce new or refined design ideas?