



**US Army Corps  
of Engineers** ®  
Detroit District

## River Quest 2017

### “Cold Hand Luke” Educational Program

Lake Superior Maritime Visitor Center  
U.S. Army Corps of Engineers  
Canal Park, Duluth, Minnesota 55802  
(218) 788-6430

MN Standard 6.2.3.2.3  
Energy

Next Gen. (WI) MS-ETS1-2  
Engineering Design

**Learning Question:** How cold does water have to be to cause hypothermia?

#### **Objectives**

- 1) Students will learn what to do if they find themselves in a cold water situation.
- 2) Students will be aware of just how important it is to wear a life jacket or personal flotation device (PFD) when around cold water, but that alone will not save your life.
- 3) Students will be able to name two methods of conserving body heat when in a cold water situation.

#### **Vocabulary**

The following are vocabulary words which will be used in the “Cold Hand Luke” program.

hypothermia  
gasp  
slurred

PFD  
H.E.L.P.  
shivering

seatbelts  
dexterity  
unconsciousness

#### **Implementation**

This interactive program features a hands on demonstration with student volunteers placing their hand in ice water to see the effects it has on the body.

Questions are encouraged to help participants understand the information and the concepts presented.