

## **Outdoor Education: Fishing**

We are not allowed to do anything related to fishing without SAFETY protocol.

### **Expectation #1 – SAFETY protocol**

- a) Attend a safety seminar of the safety expectations of this course.
- b) Demonstrate through explanation and carrying out the task, the safety protocol to a teacher who can test you on the following:
  - i. Casting a hook safety – fly rod & spin cast rod
  - ii. Fishing from shore - Lake
  - iii. Fishing from shore – River
  - iv. Fishing on a Lake – Belly Boat
  - v. Fishing on a Lake – Boat
  - vi. Woodshop safety
  - vii. Metal shop safety
- c) Write a safety quiz based on the safety protocol of the above activities

### **Expectation #2 – Fishing Ethics**

- a) Research and discuss with your teacher what is meant by fishing ethics
- b) Demonstrate the ability to find and research the Fishing Regulations of BC
- c) Demonstrate your ability to know the licensing required to fish in BC

### **Expectation #3 – Fish Biology**

- a) Parts of a Fish
  - i. How old is the Fish? What is in the Fish? What are the parts outside the Fish?
  - ii. Dissect a Fish (perch, dogfish, trout or salmon)
  - iii. Do Fish feel pain?
  - iv. Fish Eyesight: Does Colour Matter?
- b) Identification of Fish species
  - i. What is that fish that I caught?
  - ii. Japanese Fish printing
- c) Fish Habitat
  - i. Using a Shoebox to represent a Fish Habitat
  - ii. Planning a dream trip
- d) Characteristics of Water
  - i. Turnover! Turnover!
  - ii. Best Time to Freshwater Fish
  - iii. Reading the Water
  - iv. The effect of Temperature on Fish

## Expectation #4: Fishing Tales

### Fish Stories and Memorable Moments

**Choice #1** – create a reenactment of your adventure by acting out the story (live or via movie)

**Choice #2** – create a slide show and guide us through the experience of a life time

**Choice #3** – Tall Tales: Share a real story and a made up experience to the class to see if they can get the 'cod' out of you.



## Outdoor Education: Fishing

### Tools of the sport: The Fishing Rod

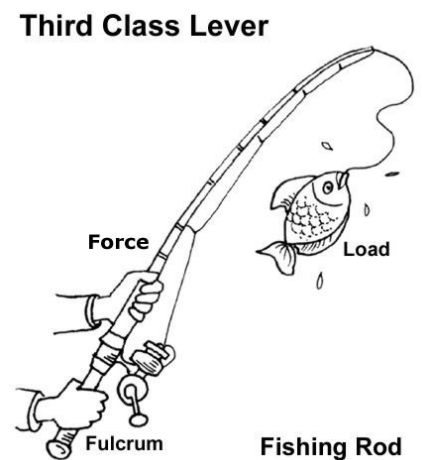
**Expectation #5** - Rod Parts: Spin Cast versus Fly rods

Research and learn about the different parts of fishing rods. Come and demonstrate your developed skills and knowledge by teaching some friends in the Science Lab all about the parts of a fishing rod.

**Expectation #6** - Does your rod need to go on a diet? : Why does the weight of the fishing rod matter?

Create a list of 5 - 8 questions to ask an expert to build your understanding about the different weights of fly rods.

Find an expert to ask your questions to. You can go to fishing stores, email retailers, interview fly fishers in your life and/or go onto websites such as



flybc.ca; innovative fly fisher; Fishing with Rodney and ask on a discussion forum. Make sure to understand the answers.

You then need to demonstrate your newly acquired skills and knowledge by teaching some of your friends in front of your teacher. You are expected to use two different weight rods (you can borrow Mr. Hussey) in your presentation.

### **Expectation #7 Rod Action**

What is rod action and why does someone need to know this about fly rods?

Research this question any way you choose and then come to Mr. Hussey or Mr. McIntosh to explain this utilizing the fly rods that are available.

### **Expectation #8: Angling Skills**

- a) **Knots:** Your best friend or Your worst nightmare

Take your time to learn and build knot tying skills to help you prepare your equipment to allow you to fish. If you do not master this skill, your fishing experiences can and will be filled with frustration.

Utilize the resource [Grog's Knots](#), your peers and teachers to learn the following knots

#1. Arbor knot - this knot is utilized to tie the backing line to the fishing reel

#2. Nail knot - this special knot is used to tie the leader line to the fly line

#3. Surgeon knot - this is used to tie your tippet to the leader line.

#4. The following 3 knots are utilized to tie your fly hook to the tippet line.

- a) Clinch knot
- b) Improved clinch knot
- c) Loop knot

Once you feel that you can tie these knots on your own, especially if you were fishing, then go and demonstrate your knot tying skills to either Mr. Hussey or Mr. McIntosh.

You will be expected to tie all the knots using materials that you will actually use while fishing. These include: backing line, fly line, nail not tool, leader line, tippet line and hook



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### b) Casting

- i. Basic casting
  - Attend and participate in a seminar of How to cast a fishing rod (spin & fly)
  - Can Casting
- ii. Different rods
  - Show your teacher how to cast 5 different rods with a basic setup
  - Show your teacher how to cast 5 different rods with advanced setups
- iii. Casting in different ways
  - Demonstrate different ways of casting for 4 different conditions



### c) Tackle Maintenance

- i. Setting the Drag
- ii. Line Management
- iii. Organizing your Tackle Box

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### Expectation #9: Tying Flies and Jigs

Enticing fish to get hooked is the battle. The best way to do this is to create hooks that closely resemble the natural diet of the species of fish you are fishing for. We want the pattern designs to take advantage of the feeding behavior and time of food availability.

Expectations

To demonstrate the proper use of your fly tying vice and whip finishing tools to tie flies

To demonstrate proper techniques of tying specific fly patterns

To demonstrate proper fishing techniques with the fly patterns you have created

fly

Fly patterns you are expected to tie

1. Chironomid
2. Woolly bugger
3. Pumpkinhead Or Vampire Leech
4. Pheasant tail nymph or other nymph of your choice
5. Blob
6. Creative Choice – your own personal design; must be able to be used to catch a fish, not just a Franken-fly ☺

