



# BEC Angler's Award



## S.C.E.N.E. Project

### *Explain & Discuss...*

- How to be a good sportsmanlike angler and how you can follow Leave No Trace principles in the aspects of littering, trespassing, courteous behavior, and following fishing regulations.
- Why we do not throw any food overboard. (Leave No Trace Principles)
- The importance of fishing size and limit regulations, reviewing the regulations affecting game fishing in the Florida Keys.
  - Why are these regulations adopted?
  - What is accomplished by following them?
- The meaning and benefits of catch and release
  - Demonstrate releasing a fish safely back into the water.
- How barotrauma works and relates to safely releasing a fish.
- After taking a coral nursery tour, explain why it is important. (Time Permitting)
- Catch a sustainable amount of fish for your crew to eat, and explain why we do and how it can affect overfishing.
- Successfully tag a mahi and/or shark. (If you are unable to tag a mahi or shark, you can pick up trash out of the ocean.)

## Cleanliness & Cooking

- Be able to effectively prepare and breakdown/clean a boat before and after fishing:
  - Bait, water, lunch, unpack, clean at the end of the day, and throw away any marine debris in the dumpster
- Catch, clean, and cook a fish.
  - Identify and demonstrate two different ways of cleaning a fish.
  - Explain and demonstrate 3+ different ways to cook fish.

## Knowledge & Purpose

### *Identify...*

- 3+ species of fish at night snorkel. (Weather permitting)
- 5+ species of reef fish
  - Why do they live near the reef?
  - What benefits does it provide?
- 5+ species of pelagic fish
  - Why do they live off-shore?
  - What benefit(s) does it provide?
- 5+ types of artificial baits
  - Explain their different purposes and how to use them.
- 5+ types of natural baits
  - Explain their different purposes and how to use them.
- Different kinds of tools you should have with you while fishing
  - Explain their importance.
- Different types of fishing tackle/outfits and their purpose:
  - Examples: Spinning vs. conventional, trolling, flatline, bottom fishing, high-speed jigging, slow pitch jigging



## Hazards & Safety

### *Explain & Discuss...*

- What hazards you may encounter while participating in fishing activities.
- What to do to anticipate, prevent, and mitigate these hazards.
- The prevention and treatment of health concerns that could occur while fishing:
  - cuts, scratches, puncture wounds, sunburn, dehydration, heat exhaustion, heatstroke, hypothermia, etc.
- How to remove a barbed hook that is lodged in someone's arm.
- At least 5 safety practices you should follow while fishing in the Florida Keys.

## Skills & Demonstration

### *Demonstrate & Perform...*

- How to properly tie 3+ knots we use at Sea Base.
  - Examples: Uni, uni-to-uni, cleat hitch, spider hitch, bowline, dropper loop, hay-wire twist, etc.
- Fishing Solo! While using a spinning set-up, tying on your own hook, cutting your own bait, keeping 6ft of line, fighting a fish and landing it on your own, and unhooking a fish by yourself.
- Setting a trolling line properly, adjusting the drag properly, and bringing the trolling line in to reset/rid of weeds/land fish.
  - Why are the trolling lines set in the order and position they are?
- At least one flag ceremony as a crew.

