

# Fascinating Field Trip Under the Sea

## Pre-K-3 (5 book set)

Dive into an underwater adventure and explore our beautiful and curious oceans. Read fish tales, take in the amazing photographs, find your way using math and maps, solve brainteasers and count the creatures of the threatened biome- the ocean's seagrass. You will meet some of the world's coolest animals during this underwater field trip.

**Books in this set:** Find Your Way Under the Sea; My Little Book of Ocean Life; Up Close Sea Life; Fish Tricks; Seagrass Dreams: A Counting Book

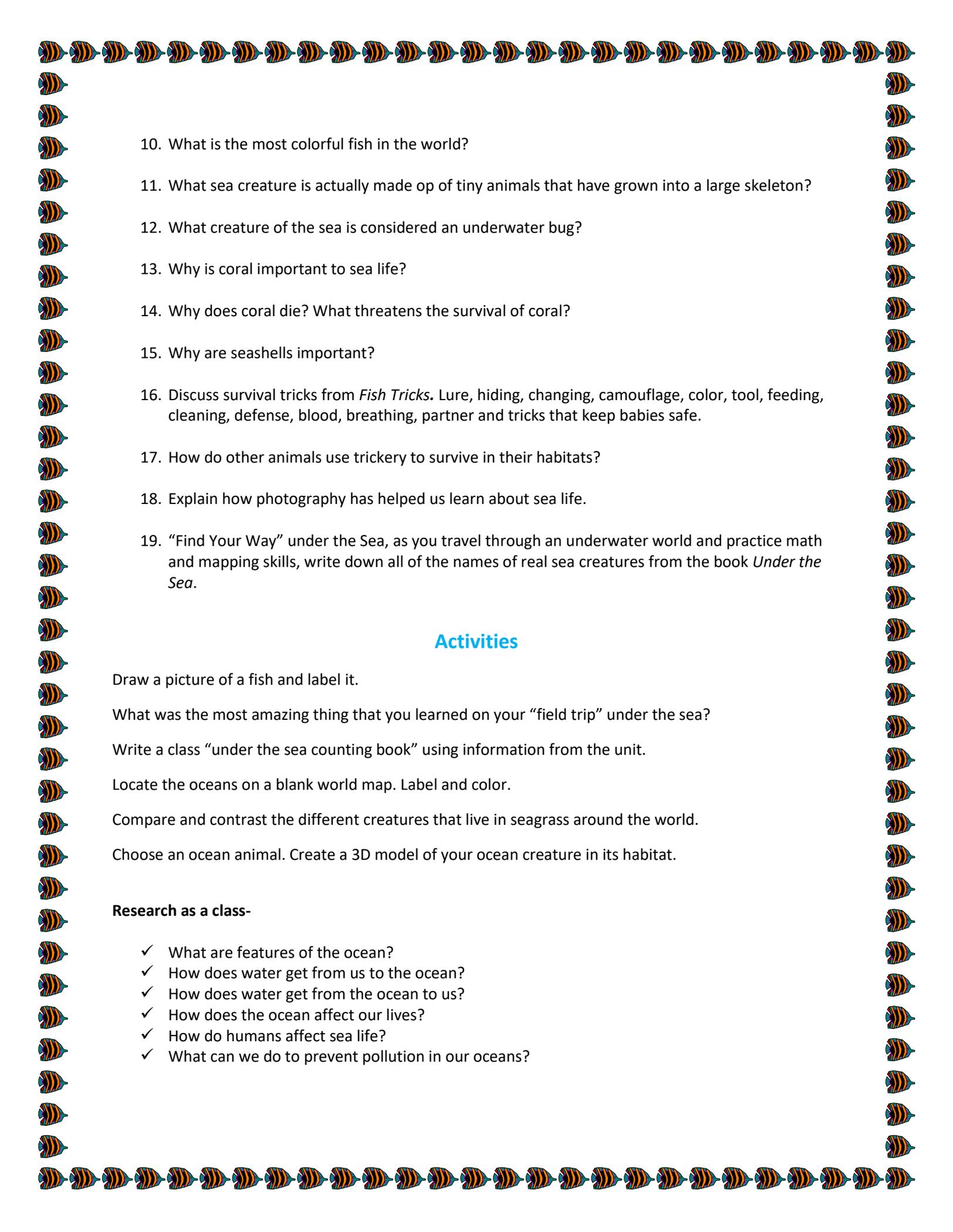
### Learning Objectives:

### Essential Questions in This Unit:

- How and why is the study of ocean life important?
- What lives in the ocean?
- How are sea plants and animals dependent on each other?
- What do ocean animals need to live?
- What type of environment do fish live and grow in?
- What characteristics do creatures that live under the sea need to survive?

### Read to find out

1. What kinds of plants and animals live under the sea?
2. Could we live in the ocean? Explain.
3. How do an animal's features help it to survive?
4. How are all ocean animals alike?
5. How do the features of an animal help us put it into a group?
6. What categories can sea animals be sorted into?
7. Why are some plants and animals suited for living in the deep ocean while others aren't?
8. Discuss the importance of seagrass. Where is it found and how is it suited for underwater living?
9. How do the characteristics of specific sea life help it to survive in its habitat? Give examples from the books.

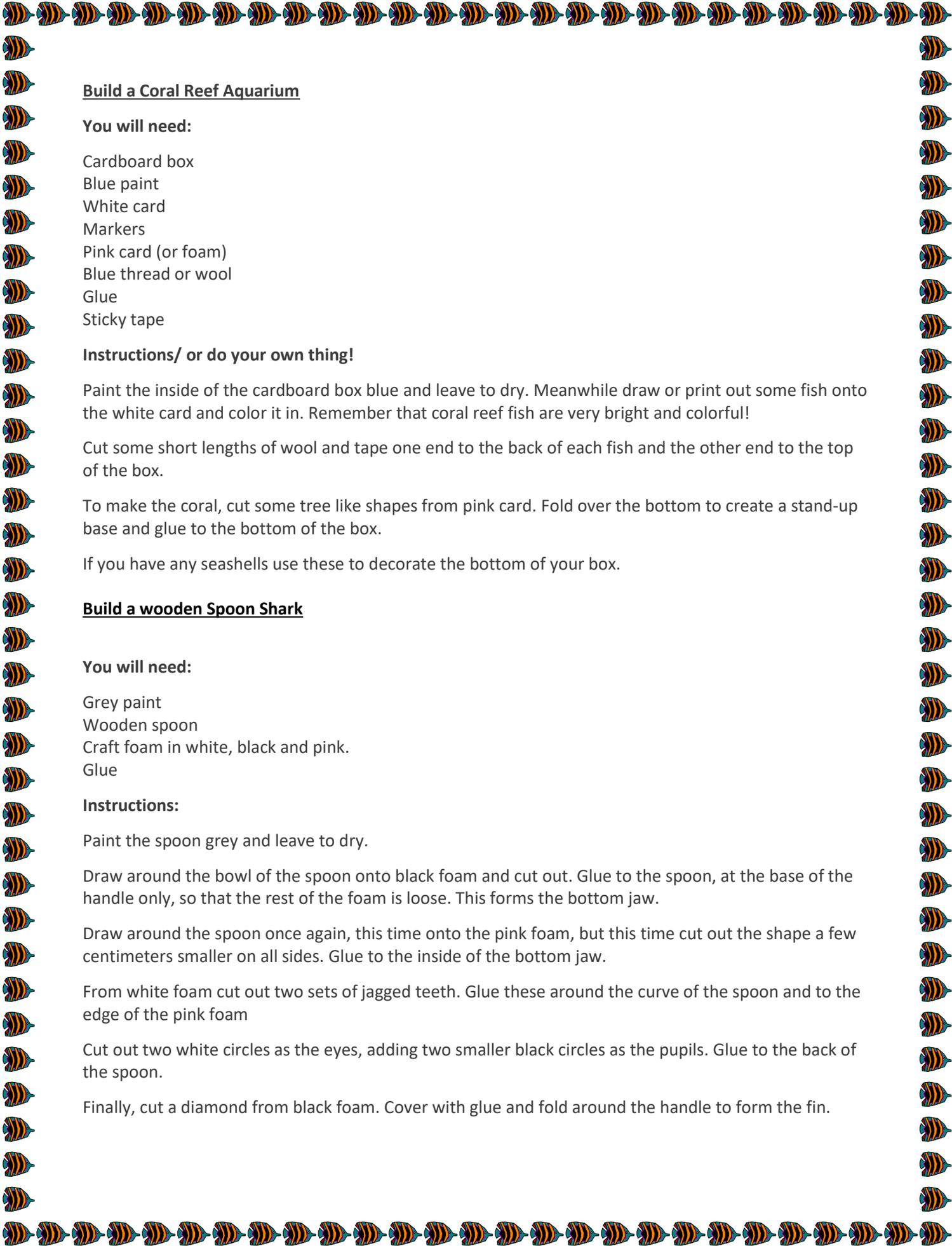
- 
10. What is the most colorful fish in the world?
  11. What sea creature is actually made up of tiny animals that have grown into a large skeleton?
  12. What creature of the sea is considered an underwater bug?
  13. Why is coral important to sea life?
  14. Why does coral die? What threatens the survival of coral?
  15. Why are seashells important?
  16. Discuss survival tricks from *Fish Tricks*. Lure, hiding, changing, camouflage, color, tool, feeding, cleaning, defense, blood, breathing, partner and tricks that keep babies safe.
  17. How do other animals use trickery to survive in their habitats?
  18. Explain how photography has helped us learn about sea life.
  19. "Find Your Way" under the Sea, as you travel through an underwater world and practice math and mapping skills, write down all of the names of real sea creatures from the book *Under the Sea*.

### Activities

- Draw a picture of a fish and label it.
- What was the most amazing thing that you learned on your "field trip" under the sea?
- Write a class "under the sea counting book" using information from the unit.
- Locate the oceans on a blank world map. Label and color.
- Compare and contrast the different creatures that live in seagrass around the world.
- Choose an ocean animal. Create a 3D model of your ocean creature in its habitat.

### Research as a class-

- ✓ What are features of the ocean?
- ✓ How does water get from us to the ocean?
- ✓ How does water get from the ocean to us?
- ✓ How does the ocean affect our lives?
- ✓ How do humans affect sea life?
- ✓ What can we do to prevent pollution in our oceans?



## Build a Coral Reef Aquarium

### **You will need:**

Cardboard box  
Blue paint  
White card  
Markers  
Pink card (or foam)  
Blue thread or wool  
Glue  
Sticky tape

### **Instructions/ or do your own thing!**

Paint the inside of the cardboard box blue and leave to dry. Meanwhile draw or print out some fish onto the white card and color it in. Remember that coral reef fish are very bright and colorful!

Cut some short lengths of wool and tape one end to the back of each fish and the other end to the top of the box.

To make the coral, cut some tree like shapes from pink card. Fold over the bottom to create a stand-up base and glue to the bottom of the box.

If you have any seashells use these to decorate the bottom of your box.

## Build a wooden Spoon Shark

### **You will need:**

Grey paint  
Wooden spoon  
Craft foam in white, black and pink.  
Glue

### **Instructions:**

Paint the spoon grey and leave to dry.

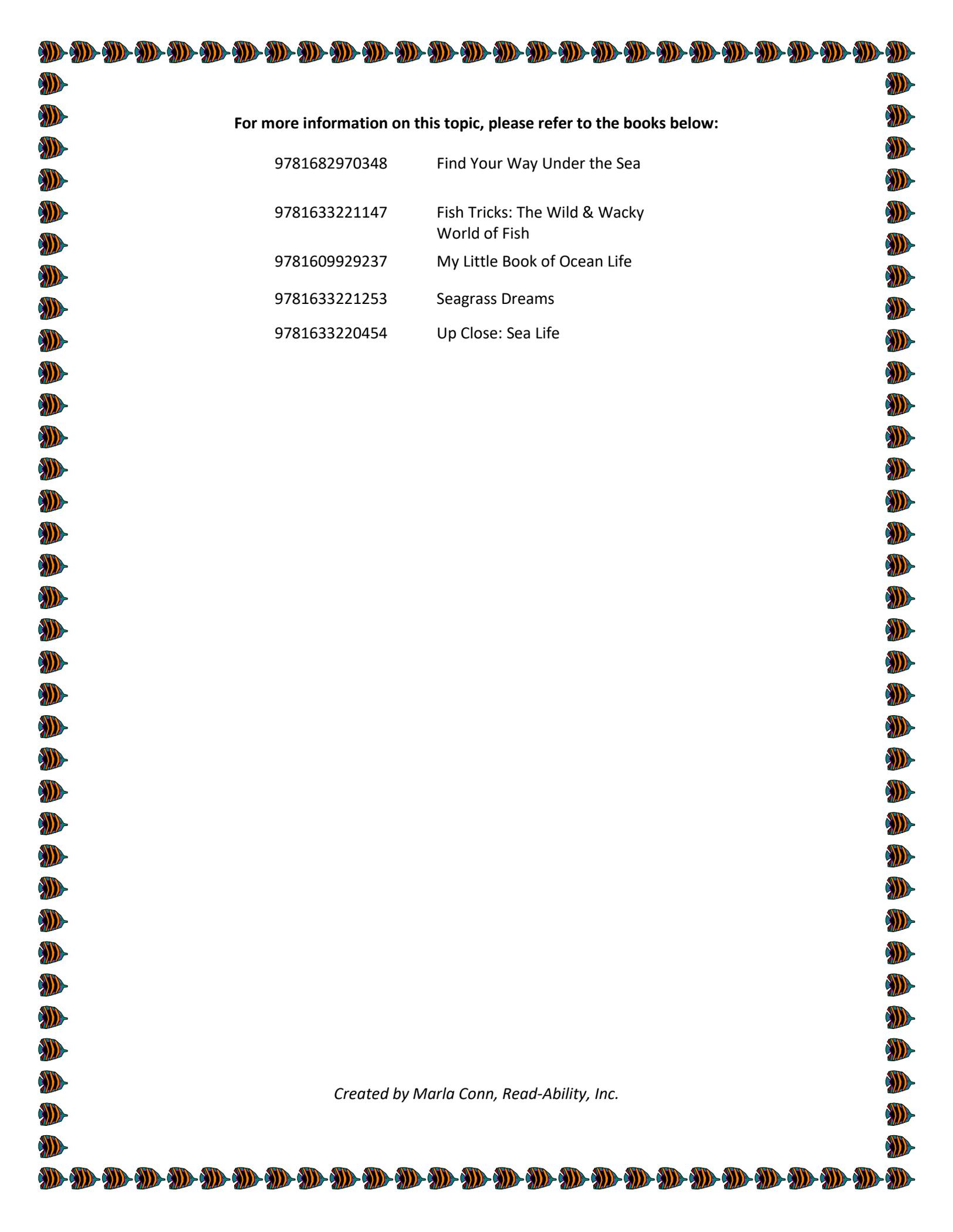
Draw around the bowl of the spoon onto black foam and cut out. Glue to the spoon, at the base of the handle only, so that the rest of the foam is loose. This forms the bottom jaw.

Draw around the spoon once again, this time onto the pink foam, but this time cut out the shape a few centimeters smaller on all sides. Glue to the inside of the bottom jaw.

From white foam cut out two sets of jagged teeth. Glue these around the curve of the spoon and to the edge of the pink foam

Cut out two white circles as the eyes, adding two smaller black circles as the pupils. Glue to the back of the spoon.

Finally, cut a diamond from black foam. Cover with glue and fold around the handle to form the fin.



**For more information on this topic, please refer to the books below:**

9781682970348 Find Your Way Under the Sea

9781633221147 Fish Tricks: The Wild & Wacky  
World of Fish

9781609929237 My Little Book of Ocean Life

9781633221253 Seagrass Dreams

9781633220454 Up Close: Sea Life