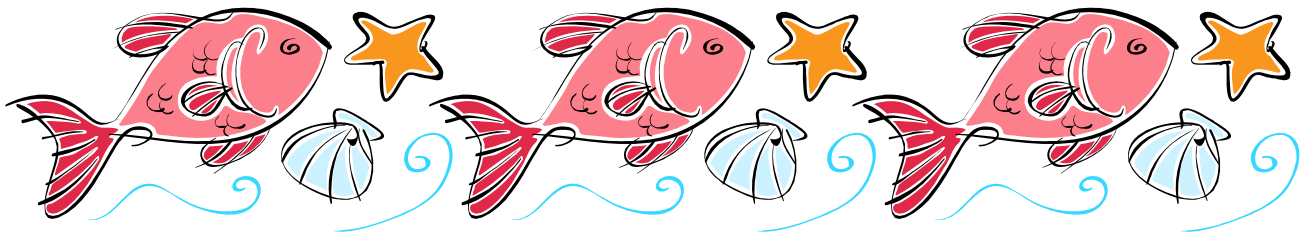
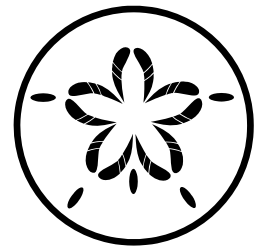


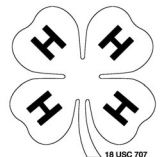
Oceans

Hendricks County Mini 4-H



Developed by:

Karla Smith, Program Assistant-Purdue Extension Hendricks County



Mini 4-H Parent's Page

We welcome you and your child to the Mini 4-H program. Mini 4-H is designed for youth who are in either first or second grade during the current 4-H year.

As a Mini 4-H parent, your job is to guide your child through the activities. It is suggested that you do not complete the activities for them. Instead, help them, guide them, work with them, and let them do all that they possibly can. Learning by doing is the best educational tool that we can provide for our youth.

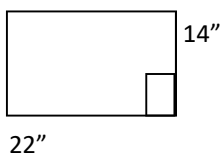
Additionally, the Mini 4-H program is set up to allow your child to exhibit a project at the 4-H Fair. This project is based on information within this manual. The 4-H Fair is an exciting time for 4-H members and families. It is a week that allows community youth to showcase their talents, interests and enthusiasm for learning.

Mini 4-H is fun! Your child will certainly enjoy it. You can have fun too, by guiding and helping as your child participates in the program. Encourage and praise your child as he/she has fun learning and sharing with you. The Mini 4-H program is designed to supplement and introduce both first and second graders to the Hendricks County 4-H program.

Rules

1. Mini 4-H is open to any youth who is enrolled in either the first or second grade on January 1st of the current year.
2. Any Mini 4-H participant may enroll in one (1) or two (2) projects. There are 16 projects to choose from. **Participants may exhibit only one (1) activity from a project book at the Hendricks County 4-H Fair (up to 2 projects total).** Additional activities can be done at home, but will not be exhibited.
3. It is encouraged that Mini 4-H participants enroll in the County Mini 4-H club, and their projects are done at home.
4. **ALL POSTER EXHIBITS MUST (NOTE: Not all Mini 4-H exhibits will be on a poster board):**

- A. Have a solid, stiff backing, which is 14" high by 22" wide. This can be HEAVY cardboard or foam core board. The board must be able to stand by itself (Foam core board is available in the Extension Office for a minimal cost)
- B. Be positioned HORIZONTALLY.
- C. Have a total exhibit board no larger than 14" high by 22" wide.



All youth will need to complete Enrollment via 4Honline and Fair Entry will need to be completed by July 1st of the current school year. Exhibit Tags will be ready the week before Fair. More information will be sent home as the Fair approaches.

- D. Be COMPLETELY COVERED with CLEAR PLASTIC material. (Available in the Extension Office for a minimal cost.)
5. Mini 4-H participants will complete activities in the book. The Record Sheet located in the back of the project book needs to be completed and will be turned in with their exhibit at the Fair.

Mini 4-Her's Page

Welcome to Mini 4-H! You are now a member of the 4-H family. You are a special person. Mini 4-Her's have a lot of fun! There are many activities for you to explore. You can try new things. You can share it with your friends and family. Mom, Dad, or another adult can help you with your project. Bring your project to the 4-H Fair and lots of people will be able to see what you have done. You also get a ribbon made just for 4-Her's.

Here a few things to know about 4-H.

The 4-H Symbol: A four-leaf clover with an "H" on each leaf

4-H Colors: Green and White

The 4-H Motto: "To make the best, better"

4-H PLEDGE

I pledge my **HEAD** to clearer thinking,

I promise to use my head to make good choices.

my **HEART** to greater loyalty,

I promise to use my heart to be a good friend.

My **HANDS** to larger service,

I promise to use my hands to do helpful things for others.

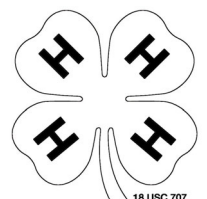
And my **HEALTH** to better living,

I promise to take care of my body and to show others to live in a healthy way.

For my club, my community,

I promise to help my group, my community,

My country, and my world.



Oceans Activities

Oceans cover around 70% of the Earth's surface. The largest ocean on Earth is the Pacific Ocean. There are hundreds of thousands of forms of marine or sea life in the ocean, and many more yet to be discovered. Go to the library or research on line to learn more about plants and animals that live in the ocean before starting your project.

You will learn to make fun crafts by doing the activities in this book. Pick one activity to exhibit at the 4-H Fair. The activity will help you learn how to read and follow directions, be neat, and be creative.

Before you get started:

- Pick a craft you would like to make.
 - Read the directions carefully.
- Make sure you have all of the needed materials.
 - Ask an adult or teenager to help you.
- Clean up your work area and put all of your supplies away when you are finished.
 - Complete your Mini 4-H Book pages.
 - ENJOY!

Exhibit:

First Grade: - An Ocean Pendant or an Ocean Life Poster
- Completed Record Sheet

Second Grade: - Ocean Oil Spill Poster or Ocean Diorama
- Completed Record Sheet

First Grade

Ocean Pendants

Needed Materials:

- Liquid White Craft Glue
- Wax Paper
- Glitter
- Yarn or Craft Pin
- Toothpicks
- Sea Creatures Pictures, in this manual

Directions:

Choose a sea creature picture and cut it out. Place it under your wax paper. Using bottled glue, outline the shape and fill the outline of the shape with glue. Use toothpicks to get in to the small spaces. You will want the glue to be thick.

Sprinkle glitter on top of the glue to add color.

Let the glue dry overnight.

Carefully pull the sea creature off of the wax paper.

Have an adult punch a hole at the top.

Pull yarn through the hole and you have a necklace. (If you would rather have a pin, have an adult glue a craft pin on the back).

Clean up your work area.

If planning to exhibit this option at the fair, be sure to add the information to FairEntry once the system opens. This will be used to print your exhibit tag for display at the fair.

Ocean Life Poster

Needed Materials:

- 8 1/2" x 11" paper
- Light Blue Tissue Paper
- White, liquid glue which dries clear
- Paint Brush
- Multi-colored Construction Paper or White
- Crayons
- Scissors

Directions:

Color or cut out construction paper for the bottom of the ocean. Glue to poster board.

Make green seaweed with crayons or construction paper. Glue to poster board.

Draw and color ocean creatures (you can also use pictures from this manual) that live in the ocean. Glue to your picture so they look like they are swimming or sitting on the ocean floor.

Paint over the entire poster with glue. If the glue is too thick, you can add a little water.

Lay a piece of light blue tissue paper over the top of your picture. You will be able to see your ocean life behind it, and the tissue will look like water.

Clean up your work area.

Mount on poster board

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Second Grade

Ocean Oil Spill Poster

Large tankers transport oil across our oceans. If they do not follow safety precautions, oil spills happen. Also, oil spills can happen from offshore drilling and underwater pipe lines. Oil spills damage our oceans and the plants and animals that live in them. They also damage the shores. It is important to try and keep our bodies of water clean.

Needed Materials:

- Clear Individual Bottled Water (1/2 full). Take wrapper off the bottled water.
- Blue Food Coloring
- Clear Cup
- 1 Cup Vegetable Oil
- 1 Tablespoon Black Tempera Paint
- Worksheets: ***Ocean Oil Spill Experiment Report & Ocean Oil Spill Experiment Observation Sheet***, in manual
- Pencil, colored pencils or markers
- Small plastic water-proof toy

Directions:

Add a few drops of blue food coloring to the bottle of water.

In a clear cup, pour 1 cup of oil. Color the oil with the black paint. Stir. This represents an oil spill. Have an adult help you pour the oil in to the bottle of water.

Put lid on bottle and gently shake. Observe.

Draw what you see in your bottle on the worksheet: ***Ocean Oil Spill Experiment Report*** and continue to observe and answer the questions on the ***Ocean Oil Spill Experiment Observation Sheet***.

Display both worksheets on a poster if you are using this for your exhibit.

Clean up your area.

Ocean Diorama

Needed Materials:

- Shoebox
- Construction paper, white paper, or scrapbooking paper
- Glue
- Scissors
- Yarn, string, or fishing line
- Tape
- Crayons or Markers
- Ocean Pictures (optional)
- Small rocks/shells etc. (optional)

Directions:

Ask an adult to help you cut the paper to fit the bottom of the shoebox.

If the paper does not look like the “ocean water”, color paper to look like ocean water.

Have an adult help you: Turn the box on its side and cut a piece of paper to fit the larger side of the box.

If the paper does not look like the “ocean water”, color paper to look like ocean water.

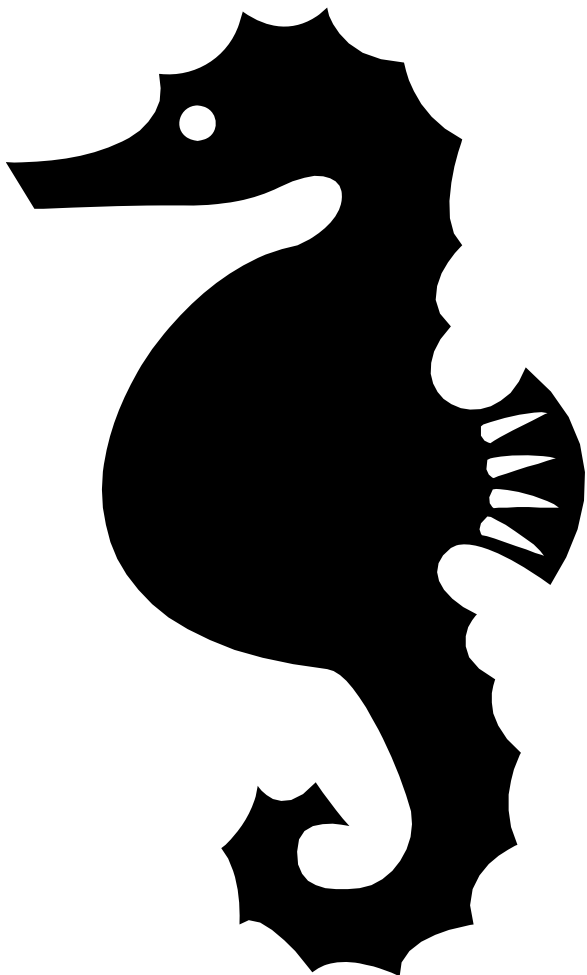
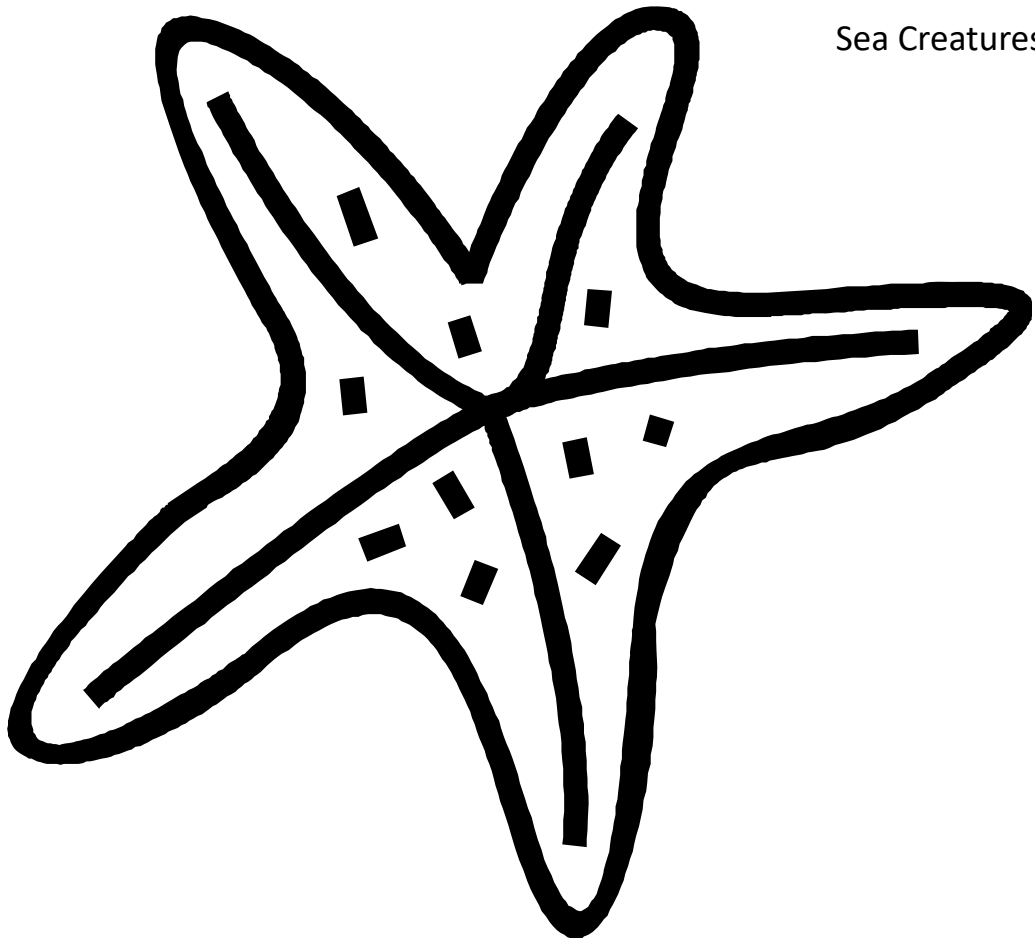
Color and/or cut out pictures of sea creatures and plants you might find in the ocean. Make your own, use the ones in this manual, use magazine pictures, or clipart pictures.

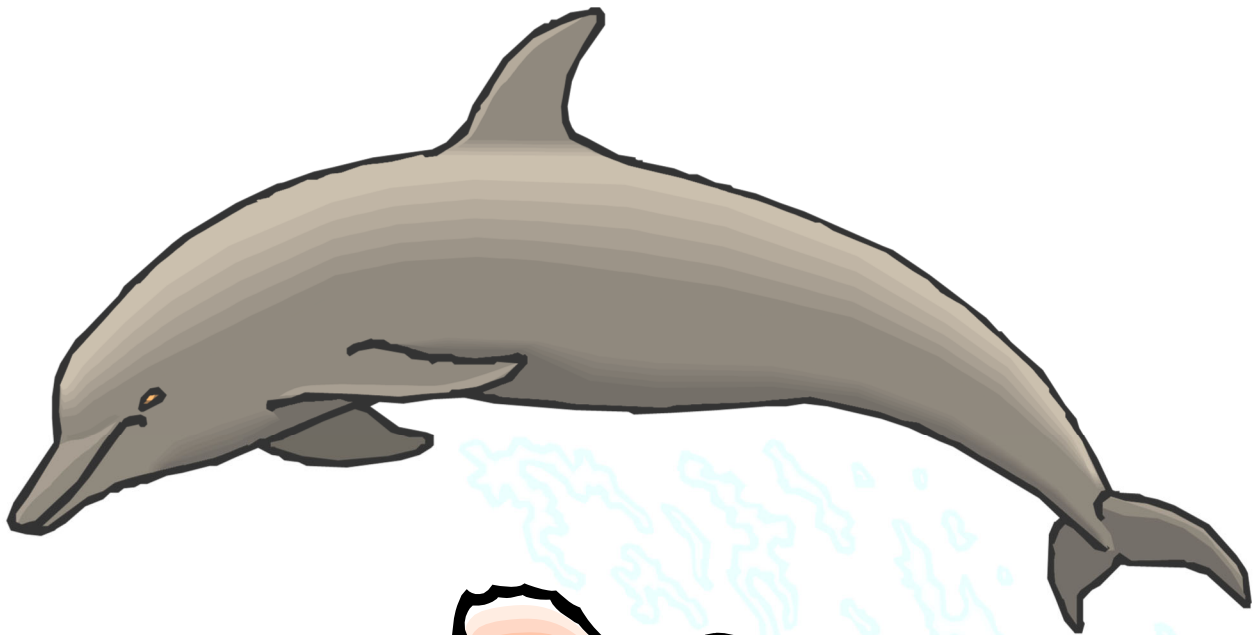
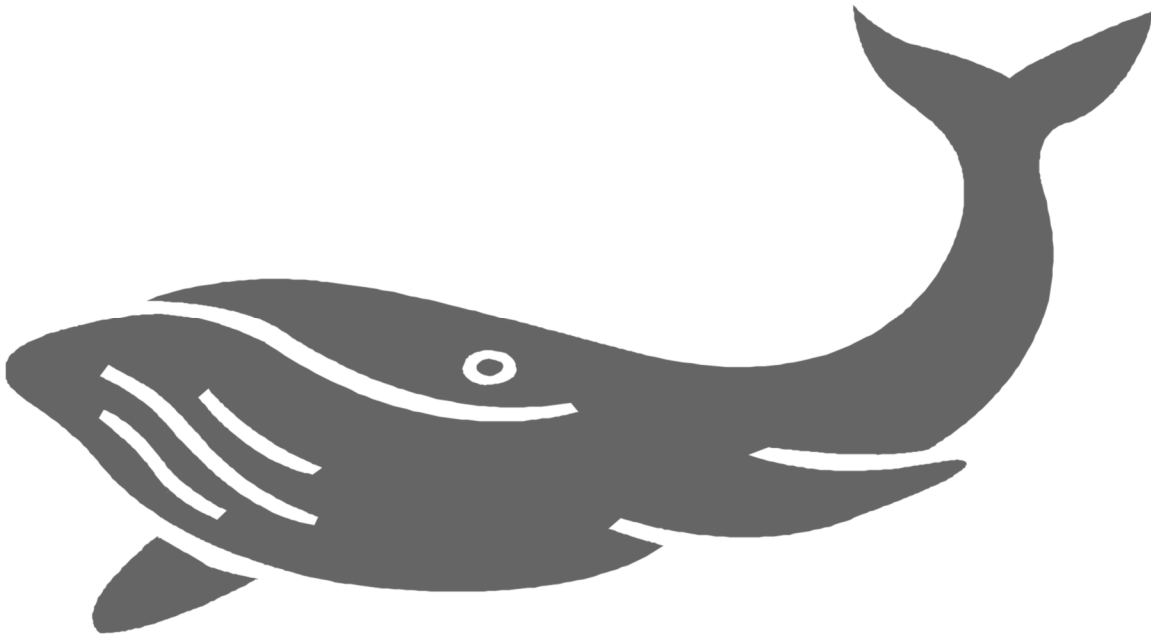
Cut yarn, string or fishing line so it can be taped to the top of your box and attached to your pictures. The pictures will hang like they are swimming in the ocean. Strings can be different lengths.

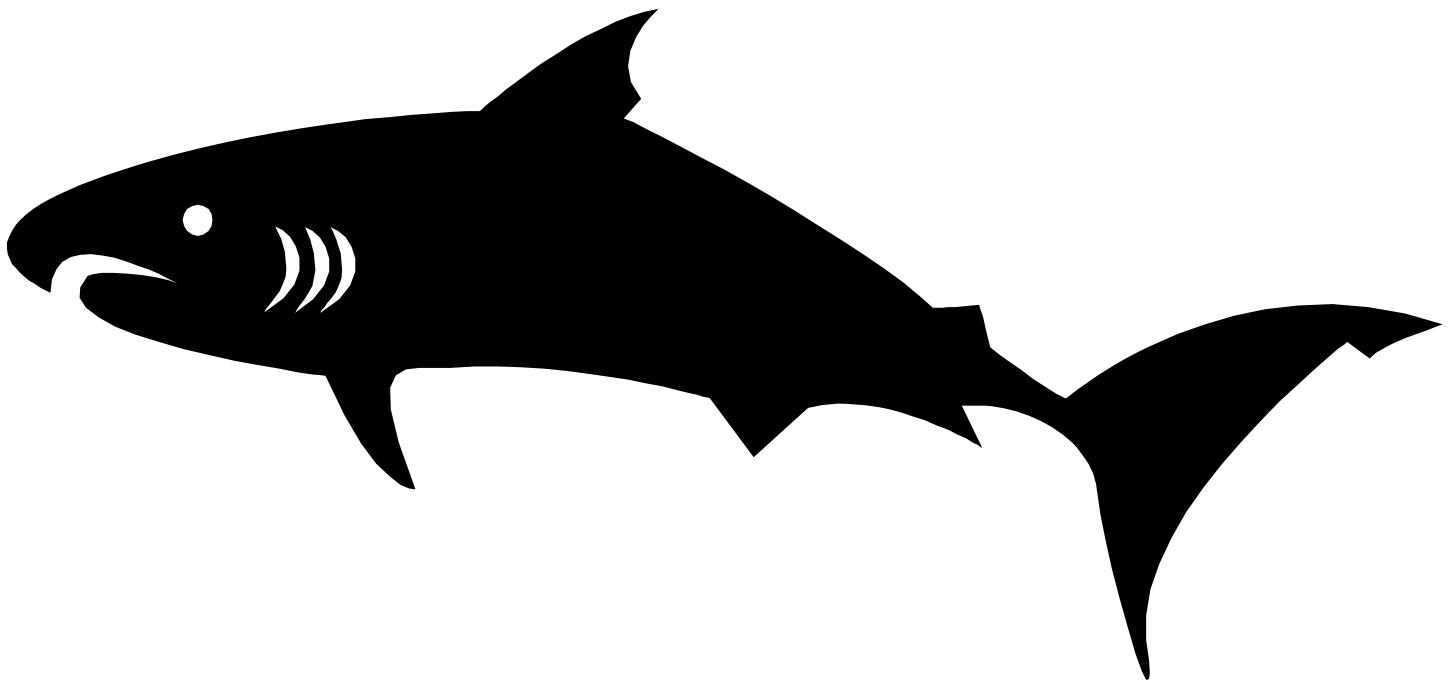
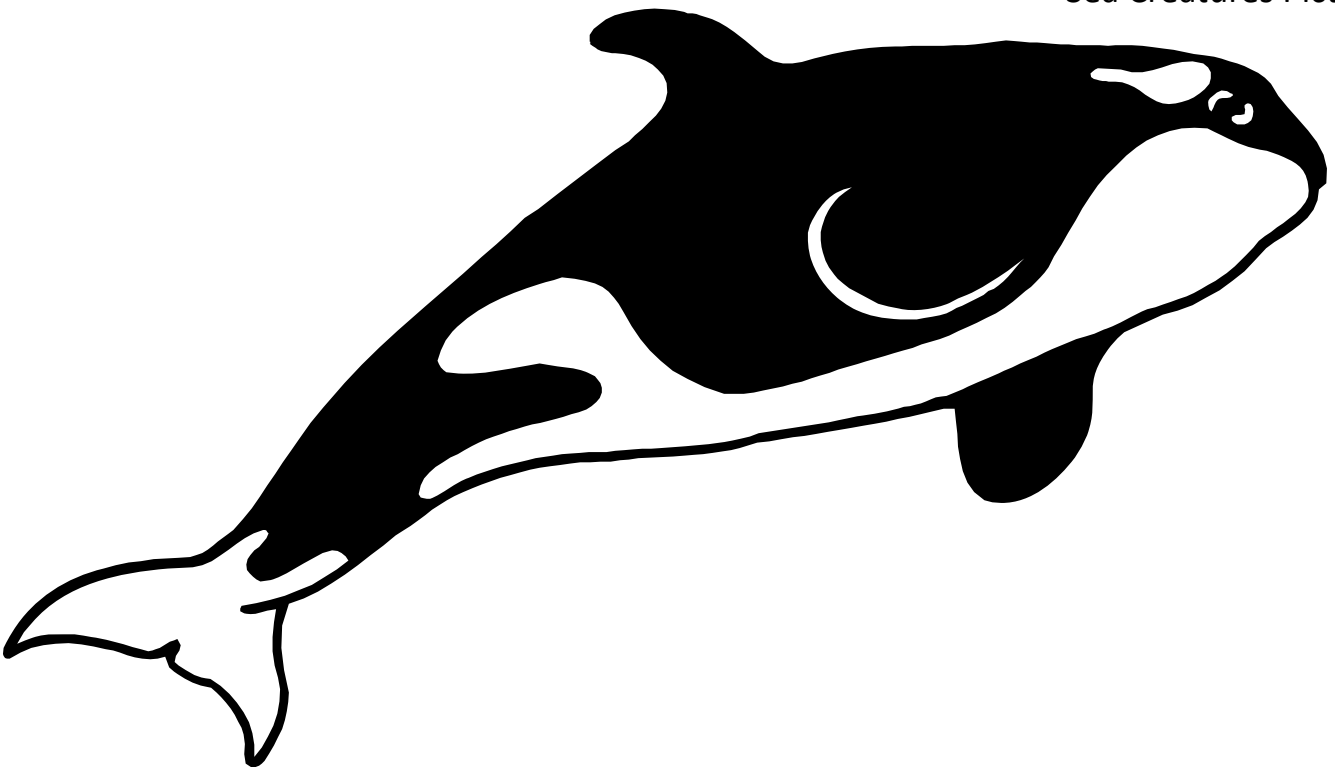
Add more pictures or items to the bottom of the box to make the ocean floor.

Clean up your work area.

If planning to exhibit this option at the fair, be sure to add the information to FairEntry once the system opens. This will be used to print your exhibit tag for display at the fair.







Ocean Oil Spill Experiment Observation Sheet

What happened when you added the oil to your water? _____

_____.

When you shook the water, _____

_____.

Pour the water/oil mixture over a plastic toy. How does the toy feel?

_____.

Clean the toy with soap and water. How did this go? _____

_____.

What do you think would happen to a bird or other ocean creature if they lived where there was an oil spill? _____

_____.

How do you think an oil spill harms the environment around you?

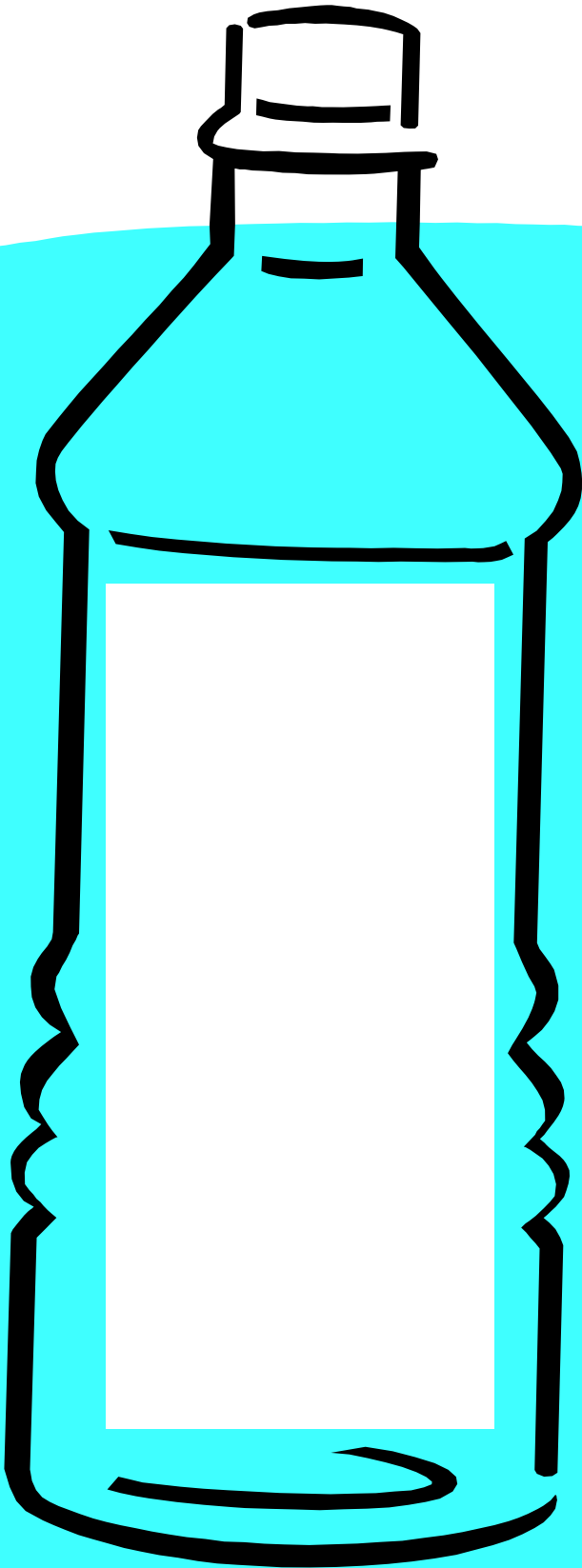
_____.

Can you think of anything else that can harm the Earth's ocean life?

_____.

Name: _____

Ocean Oil Spill Experiment Report



What I did:

1. I poured out half of the _____ in a bottled water.
2. I added _____
_____ to the water.
3. In a clean cup, I mixed _____ tempera paint with _____ to make something that looks like oil that is found in oceans.
4. I poured the oil mixture in the water bottle and mixed the two together by putting the lid on the bottle and shook it.
5. I colored the bottle on this paper to look like my experiment.

4-H Fair Exhibit

Listed below are projects you can exhibit at the 4-H Fair judging. Check the fair book for the date and time it is due. The fair book may also list special exhibit rules. You may only exhibit 1 project from this book.

If you have any questions about your projects, please call your Mini 4-H Leader or the Extension Office.

INCLUDE completed Record Sheet with your exhibit.

First Grade

- Ocean Pendants
- Ocean Life Poster

Second Grade

- Ocean Oil Spill
- Ocean Diorama

Mounting Your Pictures

Needed Materials:

- Rubber Cement or Double Sided Tape
- Scissors
- Poster Board
- Clear Plastic

Directions:

- An adult or teenager can help you cut the poster board. Cut a piece of poster board or foam board so it is 14" high by 22" wide or appropriate sized board available at the Extension Office.
- Use rubber cement or small pieces of double sided tape.
- Arrange the items neatly on your board. Be sure to include a title for your poster.
- Poster must be completely covered by a clear plastic material.

Good Luck at the 4-H Fair!

Under the Sea

A O D O L P H I N H
B S C H X L T C A S
S H A R K P U O L I
E E D E A V R R N F
A L K L M B T A A R
O L S A N D L L E A
T S X H P V E O C T
D E E W A E S B O S

CORAL

CRAB

DOLPHIN

OCEAN

SAND

SEA

SEAWEED



SHARK

SHELLS

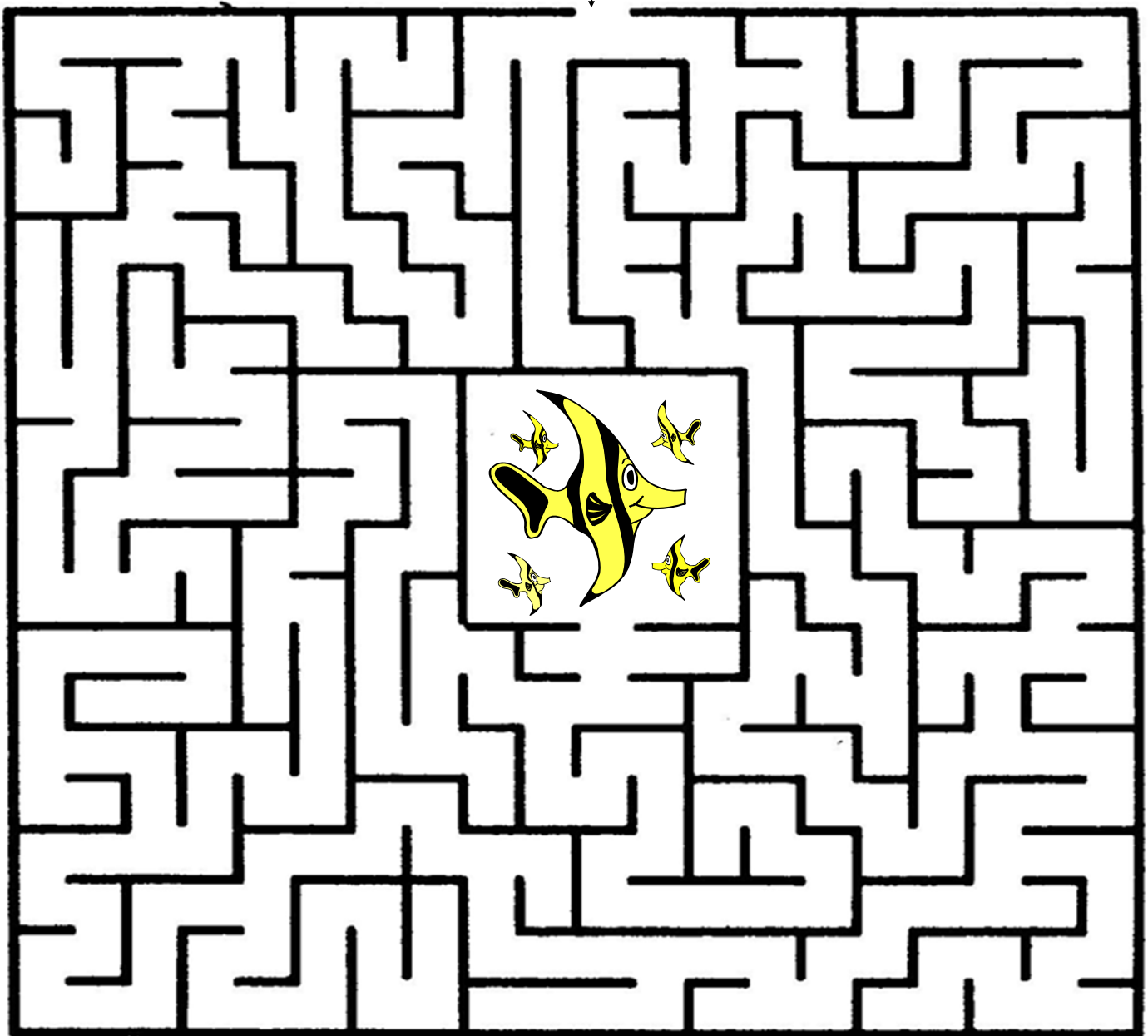
STARFISH

TURTLE

WHALE

The aMAZEing ocean!

Help Alfonzo, the angel fish, find the rest of his family.



A WHALE of a Sudoku



4			3
		1	4
		3	2
2			

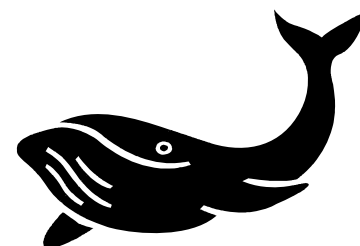
	1	2	3
3			
1			
	4	3	1

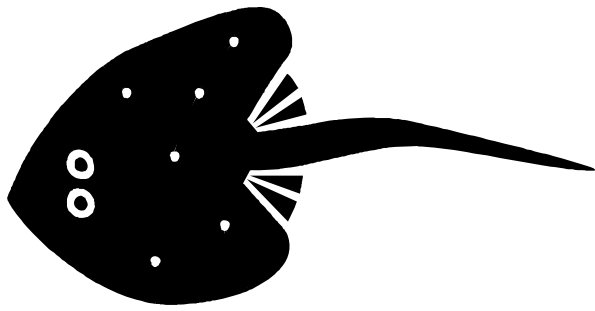
Complete all 4 puzzles.

Every row, column, and small 2 x 2 box must have the numbers 1 through 4 only one time.

	4	2	1
			4
			2
	1	4	3

	4	3	1
		2	
		4	
	3	1	2





Mini 4-H Oceans Record Sheet

My favorite part of the ocean is _____
_____.

If I could dive deep in to the ocean , I would
find _____
_____.

I learned _____
_____.

Name: _____

Date: _____
