

END OF YEAR

BEACH DAY

PROJECT-BASED
LEARNING ACTIVITY

GRADES 2-5



BACK TO THE BEACH!

School's out for summer, and it's time to hit the beach! You and your classmates have all decided to go to the beach with your families for a day of fun in the sun.

First, you'll need to pack everything you need for your day. Once you arrive at the beach, you'll need to choose activities, figure out where everything is located, plan your meal, and even build a sandcastle! You'll also spend time collecting seashells and learning about the ocean animals who live nearby.

Grab your towels and sunscreen because it's SHORE-ly going to be a great day!



Dive into action practicing math, reading, writing, and grammar skills!

OCEAN ANIMALS

The beach has put up signs to help people learn about the different animals that live along the coast. Use this information to do the crossword puzzle on the next page.



SHARK

Many people are afraid of sharks, but they are actually amazing! They usually are a threat to humans because of their sharp teeth and cartilage, a soft tissue in our noses. Many rows of teeth are in a shark's mouth. Some sharks are eating fish within one day, and some can eat more than 30,000 fish in a year.



TURTLE

Here at the beach, you can see a lot of turtles. They are very cute and they are even used for food. Turtles are also used for their shells. They are very hard and they are even used for building houses.

SEASHELL SORT

You collected seashells on the beach. You found five different types of shells. You want to sort the shells by type. Use these shells to complete the bar graph on the next page.



HAIKU HOLIDAY

As you head home, you reflect on how much you love being outdoors! Use the space below to write two haiku poems about nature (they can be about the beach or any other place in nature).

HOW TO WRITE A HAIKU

- ✓ A haiku poem is usually about nature.
- ✓ It has three lines.
- ✓ The first line has 5 syllables.
- ✓ The second line has 7 syllables.
- ✓ The third line has 5 syllables.

Example 1

The Ocean's Call
Ocean waves whisper.
I hear them gently call me.
I run to answer.



Example 2

A Perfect Day
The sun warms my skin.
Toes buried deep in the sand.
I could stay all day.

1

_____ (title)

2

_____ (title)

Students dig their way through 8 different skill-based activities!

SEASHELL SORT

While collecting seashells on the beach, you found five different types of shells. You want to sort the shells by type. Use the data table you completed to make a bar graph that represents the shells you found on the beach. Remember to add a scale and title.

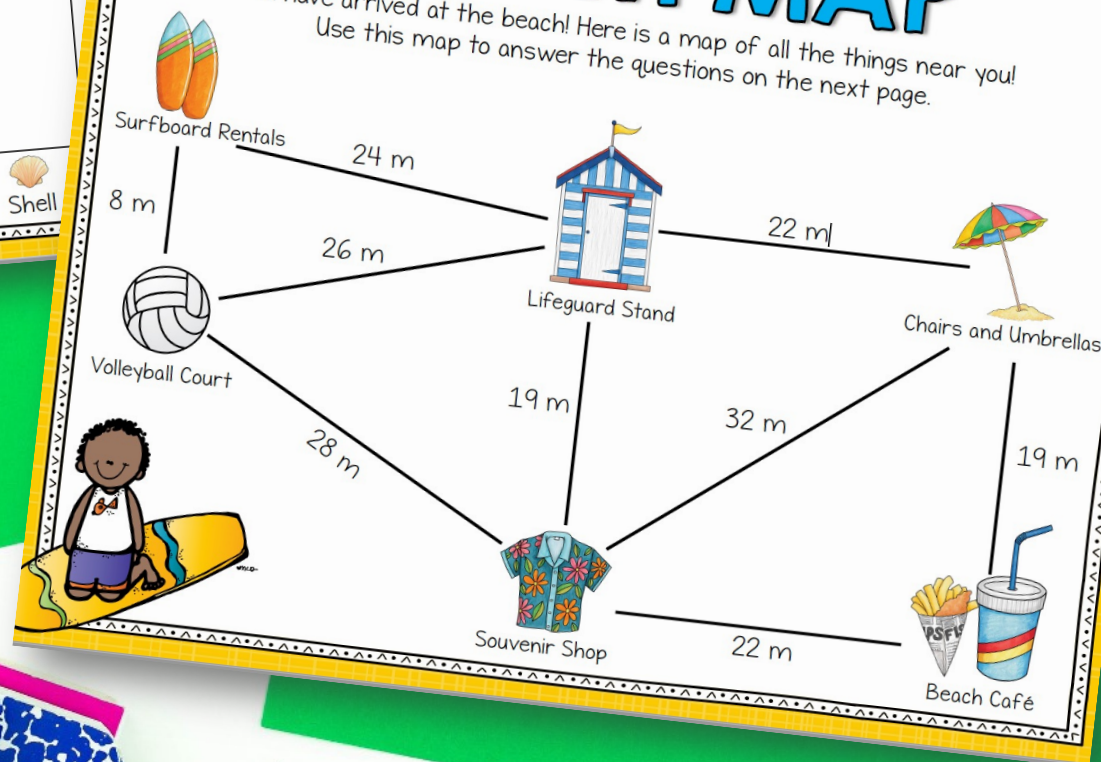


Shell A Shell B Shell C

1. How many more B and E shells were collected than C and D shells?
2. Greer collected the A, C, and E shells. His brother collected the B and D shells. How many more shells did Greer collect than his brother?

BEACH MAP

You have arrived at the beach! Here is a map of all the things near you! Use this map to answer the questions on the next page.



Easy to differentiate, choose from the 2nd/3rd or 4th/5th grade version.

HOW TO USE

There are a variety of ways to use this resource in the classroom:

- Place activities in centers.
- Assign to students to complete individually.
- Allow students to work together or in a small group.
- When using the colored version, print just a few copies and laminate or slide into page protectors. Students can use a dry erase marker to complete the activities so you can reuse them in the future.
- Differentiate for your lower meets their level.
- The "Sandcastle Show" in w
- NOTE: Your students may n page 9. Consider reviewing students are familiar with basic understanding of wh (snorkeling, swimming, sur

ABOUT THE PBL

Shell-ebrate the end of the school year in style with 8 fun beach-themed activities. Students will dive into learning as they pack for a day at the beach, learn to navigate their way around, and enjoy a variety of beach activities, including sandcastle competitions and collecting seashells. They'll also indulge in some delicious treats at the Beach Café, learn about ocean animals, and reflect on their sand-tastic day through poetry.

Each of these activities require students to use and apply academic and problem-solving skills to answer questions and complete the task, but they'll "shore-ly" be having so much fun they won't even realize they are learning. This PBL activity includes two separate versions, one for grades 2-3 and one for grades 4-5, so it is easy to differentiate.

And best of all, Beach Day PBL is easy to prep and implement. No long supply lists. No complicated instructions. And no greasy sunscreen or lingering grains of sand to contend with. All you have to do is print and present, so students can catch a wave of learning while teachers relax and bask in the glow of students' sunny smiles.

What's Inside:

- 8 different learning activities
- Separate versions for lower (2-3) and upper (4-5) grades
- Color and black and white versions
- An answer key
- Teacher directions

Skills Covered:

- Grammar: vowels, parts of speech, syllables, compound words
- Addition & subtraction (multiplication & division in upper-grade version)
- Map skills
- Geometry: polygons and partitioning shapes
- Money
- Bar graphs
- Reading comprehension
- Poetry: haiku



Includes directions for easy implementation.

BEACH ACTIVITIES

There are so many activities to do at the beach! Use the information on the signs below to figure out which child did which activity. Each child only did one activity.

Build Sandcastles



COST: FREE
Must bring your own bucket and shovel.

Surf Lessons



COST: \$25
Lessons start at 9 a.m. and end at 4 p.m.

Snorkeling



COST: \$10
Equipment must be brought.

Beach Volleyball



COST: \$3
Games take place between 9 a.m. - noon.

Swimming



COST: FREE
Must have an adult with you in the water.

Beach Bonfire



COST: \$10
Starts at 5 p.m. Includes marshmallows.

BEACH ACTIVITIES

Use the information on the previous page and the following clues to figure out who did each activity, then write the activity under the child's name. Careful! Some of the clues will not give you enough information by themselves to determine who did an activity!

Hint: It may be helpful to write all of the possibilities below each clue. Then, cross options off as you are able to eliminate them.

- 🌿 Fatima spent more than \$5.
- 🌿 Lizbeth doesn't want to get in the water. She came to the beach with only a towel, sunscreen, shovel, and bucket.
- 🌿 Javier arrived at the beach sometime after 4 p.m. He brought sunglasses, a shovel, and \$10. He spent all of his money.
- 🌿 Carrie did not bring any money with her to the beach.
- 🌿 Priya loves water activities and spent more than \$5.
- 🌿 James brought 8 quarters and 10 dimes to the beach and spent them all.
- 🌿 Andy spent exactly \$5.
- 🌿 Malik doesn't like collecting shells.

Lizbeth	Javier	Priya	Malik
Carrie	Fatima	James	Andy

An engaging Beach Day PBL that your students will love!

GETTING READY!

It's time to pack everything you need for your beach day! Read the clues below to determine who packed each item. Once an item has been packed, cross it off the list.

PACKING LIST

- Camera
- Swimsuit
- Sunblock
- Goggles
- Hat
- Clothes
- Watermelon
- Umbrella
- Radio
- Surfboard
- Purple Towel
- Tent
- New Bucket

1. Malik packed all of the items with an adjective. What did he pack?
Purple towel, new bucket

2. Priya packed items with compound words. What did she pack?
Swimsuit

3. Andy packed items with a C.

Camera

4. Javier packed items with a T.

Hat, Tent

5. Jamal packed items with a G.

Goggles, Goggles

6. Fatima packed items with a S.

Swimsuit, Surfboard

BEACH CAFÉ

People are lining up at the café! Use the menu board to answer each question.

1. The Torres family bought fries, two candy bars, three popsicles, and four juice boxes. How much money did they spend at the café?
They spent \$32.35.

2. Michelle spent \$22 at the café. She bought 3 food items and 2 drinks. What could Michelle have bought?
**Answers may vary. Possible answer given.*
Michelle could've purchased pizza, two ice creams, and two juice boxes.*

3. Jeremy has one dollar, 6 quarters, 2 dimes, and 11 nickels. He spent all of his money and bought one food item. What did he buy?
Jeremy bought a popsicle.

4. Li has \$9.75. She wants to buy fries and a soda. How much more money does she need?
Li needs \$1.25 more to purchase the fries and soda.

FOOD

Fries	\$6.50
Pizza	\$8.00
Candy Bar	\$2.00
Fruit Snacks	\$1.50
Ice Cream	\$4.00
Popsicle	\$3.25

DRINKS

Water	\$2.25
Juice Box	\$3.00
Soda	\$4.50



SANDCASTLE SHOW

There is a sandcastle competition happening on the beach! There are strict guidelines on what shapes can be used to build your sandcastle. Label each piece of the sandcastle with the correct letter.

Shape Labels

A	shapes with all right angles and sides of equal length
B	hexagons
C	four-sided shapes with only one set of parallel lines
D	shapes with 4 sides where opposite sides are the same length
E	shapes with 2 sets of parallel sides and no right angles
F	shapes with one right angle
G	shapes with 5 sides

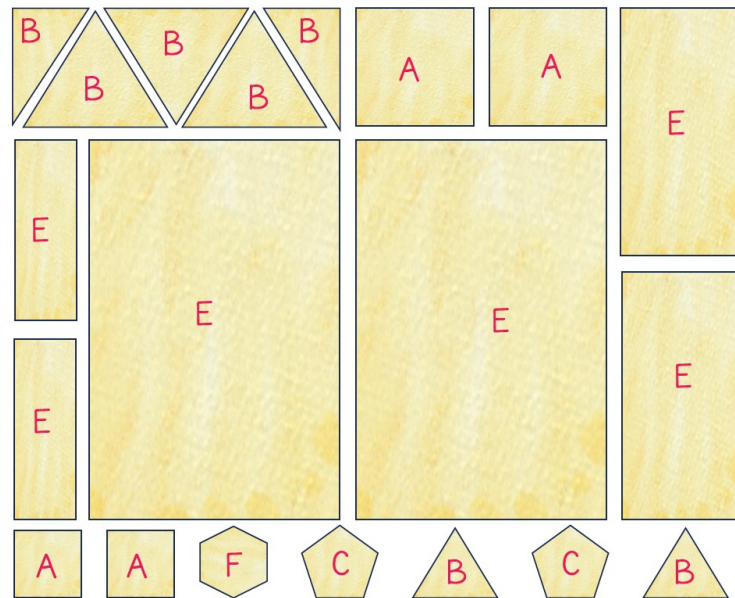


SANDCASTLE SHOW

There is a sandcastle competition happening on the beach! There are strict guidelines on what shapes can be used to build your sandcastle. Label each piece of the sandcastle with the correct letter.

Shape Labels

A	shapes with 4 equal sides
B	shapes with 3 sides
C	a pentagon with all sides the same length
D	circles partitioned into halves
E	shapes with four sides where opposite sides are the same length
F	shapes with 6 sides
G	circles partitioned into fourths



Includes a colored version as well as a black & white version.