SUMMER ADVENTURES
ON THE ROAD

Along the Way...
Road trips are a fun time to play games with family and friends along the way. Enjoy these games and activities whether you are on a real road trip or on a virtual exploration.

PG 3
Hidden Treasures
Ages 4-8

PG 5
Dishpan Tide Pool
Ages 4-8

PG 6
Animal Teasers
All Ages

PG 7
Kahoot!
All Ages

PG 8
Hidden Treasures
Ages 9+

PG 10
Become an Expert
Ages 9+

PG 11
Answers (no peeking!)

Book List

Book Quest: The Wild Robot
Book Quest: Strange Birds
HIDDEN TREASURES
ACTIVITY  I  Ages 4-8

MATERIALS
Pen or pencil

TO DO
For centuries, people have tried to find hidden treasures in the depths of the seas. You can dive in too, by finding words hiding in the names of Monterey Bay animals and plants. Look carefully, because sometimes they contain more than one word! What treasures will you uncover? How many words can you make from each? Challenge a friend or family member!

1. Bubblegum coral
2. Bull kelp
3. Sooty shearwater
4. Fingered goblet vase sponge
5. Black oystercatcher
6. Spotted ratfish
7. Shovelnose guitarfish
8. Monkeyface prickleback
9. Eelgrass
10. Sea otter
11. Acid seaweed
12. Harbor seal

EXPLORE MORE
Wildlife Viewing  I  NOAA
Underwater Habitats within Monterey Bay National Marine Sanctuary  I  NOAA
Kelp Forest and Rocky Subtidal Habitats  I  NOAA
The action of tides creates tide pools, which are isolated pockets of seawater home to various animals and plants. They are usually a few inches to a few feet deep.

Monterey Bay National Marine Sanctuary has many tide pools along its coast. They are overflowing with sea life, such as snails, barnacles, mussels, anemones, urchins, sea stars, crustaceans, seaweed, and small fish. These animals and plants have to be sturdy to withstand the flow of the tides and the waves crashing against the rocks.

TO DO

1. Read more about tide pools here.

2. Learn about how tides affect animals and plants by creating a dishpan tide pool of your own. The required materials include a dishpan, images of shore animals and clay to create models, rocks to build out your tide pool, and of course water! Step-by-step instructions are in this guide from Monterey Bay Aquarium.
ANIMAL TEASERS
ACTIVITY   I   All Ages

TO DO
Monterey Bay National Marine Sanctuary is filled with animal life such as those shown below. Each of these clues describes one of those animals in a fun way. Can you identify the animals?

1. _______ This mollusk sounds like meat you might eat on a sandwich.
2. _______ Despite its feline name, this aquatic animal barks like a dog.
3. _______ This mammal, which is named for the shape of its dorsal fin, likes to sing.
4. _______ This animal is a star at cleaning the ocean floor.
5. _______ This huge, colorfully named mammal mainly eats tiny krill.
6. _______ Be careful sharing your secrets with this shorebird.
7. _______ Like its namesake, this burrowing animal is sharp enough to cut you.
8. _______ Gimme that shell!
9. _______ They have no bones, teeth, or blood.
10. _______ You may be tempted to pickle this animal or put it in your salad.

A. humpback whale  B. razor clam  C. hermit crab  D. jellyfish  E. wandering tattler

F. California sea lion  G. bat star  H. sea cucumber  I. abalone  J. blue whale
KAHOOT!

ACTIVITY  I  Ages 9+

MATERIALS
Device with an internet connection
Shared screen that all players can see

TO DO
Kahoots are best played in a group setting. The game host will need a big screen. Questions are displayed for all players to see on a shared screen such as a smart TV or laptop. You can also use screen-sharing tools like Zoom, Skype, or Google Hangouts to include players in other locations.

1. Click here to access the game. Once you’ve logged in or registered for an account, click Play.

2. Launch the game so players can join. Change the Game Options if you like, then click Classic to play with one device per person or Team Mode to play with one device per team.

3. A unique Game PIN will be displayed at the top of the screen. Players use their own devices to join the game via kahoot.it or the Kahoot! app by entering the PIN and their nickname.

4. Play Kahoot! Once all players are in the game lobby, click Start. Players answer the questions they see on the shared screen with their devices. Each answer option on the shared screen is inside a box with a specific color and shape that matches the boxes displayed on the players’ screens. Kahoots test players’ accuracy and speed. The host can use the spacebar or mouse to go to the next question.
HIDDEN TREASURES
ACTIVITY  |  Ages 9+

MATERIALS
Pen or pencil

TO DO
For centuries, people have tried to find hidden treasures in the depths of the seas. You can dive in too, by finding words hiding in the names of Monterey Bay animals, plants, and environments. Look carefully, because they may contain more than one word! In some cases you may also need to rearrange a few letters to unlock your word treasure. How many words can you make from each? Challenge a friend or family member!

1. Leopard shark
2. Sponge garden
3. Acorn barnacle
4. Sooty shearwater
5. Opuntiella californica
6. Shovelnose guitarfish
7. Bat star
8. Black oystercatcher
9. Acid seaweed
10. Spotted ratfish
11. Monkeyface prickleback
12. Harbor seal
13. Zostera marina
14. Eroded periwinkle
15. Risso’s dolphin

EXPLORE MORE
Wildlife Viewing  |  NOAA
Underwater Habitats within Monterey Bay National Marine Sanctuary  |  NOAA
Kelp Forest and Rocky Subtidal Habitats  |  NOAA
BECOME AN EXPERT
ACTIVITY  I  Ages 9+

MATERIALS
Device with internet connection
Crayons, markers, or colored pencils
Poster board (optional)

TO DO
In 1992 Monterey Bay and surrounding waters along the California coast received the “national marine sanctuary” designation. The area became the United States’ 11th national marine sanctuary for its “biological richness, unique habitats, threatened and endangered animals, and the presence of shipwrecks and other cultural relics.” In this activity you become an expert on one (or more) of the animals or plants that thrive in the sanctuary.

1. Review the lists of animals and plants at this website.
2. Choose an animal or plant to study and research as much as you can about it.
3. Create an infographic on the following page or a poster board with the following elements:
   - a short description and illustration of the animal or plant
   - a description of its habitat
   - relevant data or information
4. Is this animal or plant endangered? If so, explain why and what the cost of losing it would be.

EXPLORE MORE ON CREATING AN INFOGRAPHIC
- Education infographic templates
- Storytelling for Impact: Graphics  I  National Geographic
ANSWERS

PG 7
1. I. abalone
2. F. California sea lion
3. A. humpback whale
4. G. bat star
5. J. blue whale
6. E. wandering tattler
7. B. razor clam
8. C. hermit crab
9. D. jellyfish
10. H. sea cucumber

FULL LINKS

PG 3
Wildlife Viewing  |  NOAA
https://montereybay.noaa.gov/visitor/access/critter.html

Underwater Habitats within Monterey Bay National Marine Sanctuary  |  NOAA
https://montereybay.noaa.gov/visitor/dive/divehabitats.html

Kelp Forest and Rocky Subtidal Habitats  |  NOAA
https://montereybay.noaa.gov/sitechar/kelptab1.html

PG 5
Tide pools
https://oceanservice.noaa.gov/facts/tide-pool.html

Dishpan tide pool
https://www.montereybayaquarium.org/for-educators/teacher-professional-development/curriculum/dish-pan-tide-pool

PG 9
Wildlife Viewing  |  NOAA
https://montereybay.noaa.gov/visitor/access/critter.html

Underwater Habitats within Monterey Bay National Marine Sanctuary  |  NOAA
https://montereybay.noaa.gov/visitor/dive/divehabitats.html

Kelp Forest and Rocky Subtidal Habitats  |  NOAA
https://montereybay.noaa.gov/sitechar/kelptab1.html

PG 11
Species  |  NOAA
https://montereybay.noaa.gov/sitechar/splist.html

Education infographic templates
https://www.canva.com/infographics/templates/education/

Storytelling for Impact: Graphics  |  National Geographic
https://account.nationalgeographic.org/courses/sfi-graphics-youth-2021/