Worlds of Fun®
Oceans of Fun®

2024 Summer Curriculum Guide

Worlds of Fun®
YOUTH
PROGRAMS

PRESENTED BY
Extreme networks

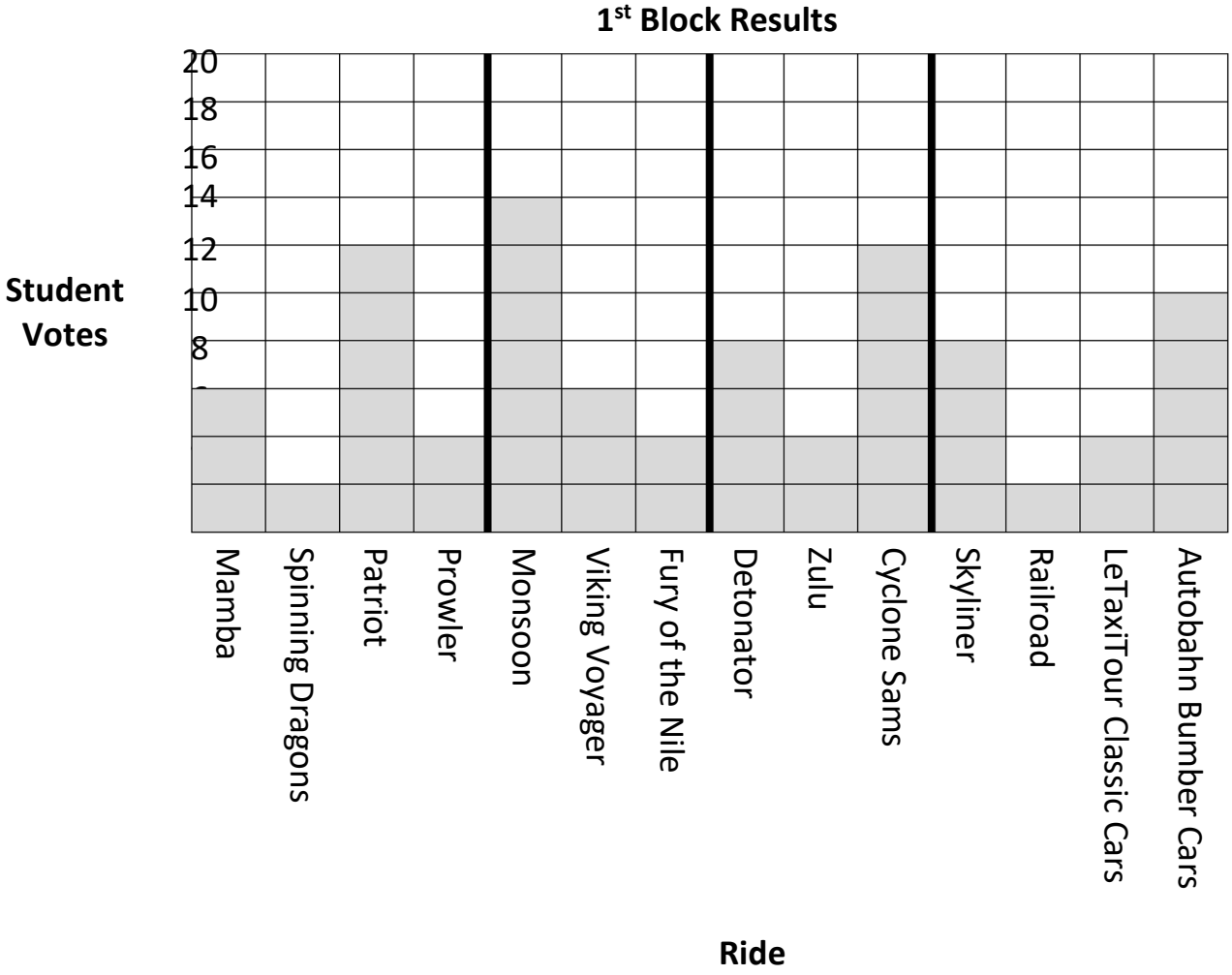
Table of Contents

Fan Favorites! Teacher Resource

Teacher Instructions: Ask students to pick their favorite ride from each category. As they complete their selections, collect the data and show on board for all students to see.

Optional: On day 2, give students the results from all classes to make comparisons.
Optional: Track responses by gender to have more data to look at.

Example Bar Graph:



Note: Students can create separate bar graphs for each section rather than one large.

Fan Favorite! Student Worksheet

Worlds of Fun covers 235 acres in Kansas City, Missouri. Some of Worlds of Fun's most popular rides and attractions include Mamba, Spinning Dragons, Patriot, Detonator, Prowler and Monsoon.

Essential Question:
Which Worlds of Fun ride is the most popular?

1. Circle your favorite from each of the following categories.

Roller Coasters	Water Rides	Thrill Rides	Amusement Park Classics
• Mamba Drop • Spinning Dragons • Patriot • Prowler	• Monsoon • Viking Voyager • Fury of the Nile	• Detonator • Zulu • Cyclone Sam's	• Skyliner Ferris Wheel • Worlds of Fun Railroad • Le TaxiTour classic cars • Autobahn bumper cars

2. On a separate piece of paper, create a bar graph of the results from your class.

3. Was the data what you expected?

4. Which ride was the most popular? Least popular?

5. Find the mean, median, mode and range of your data.

6. Are there any outliers in the data? Recalculate the mean, median, mode and range without the outliers. How did the data change?

Where Did Worlds of Fun Get This Ride?

Part 1: Worlds of Fun has an incredible team who ensures every ride assembled just right for the safety of everyone who enters the park. There are also teams across the US who manufacture the rides we get to enjoy at Worlds of Fun. Below is a list of several rides at WOF, where they were manufactured, and the Latitude/Longitude of the city. On the map provided, plot the location of where each ride was manufactured. Be sure to label!

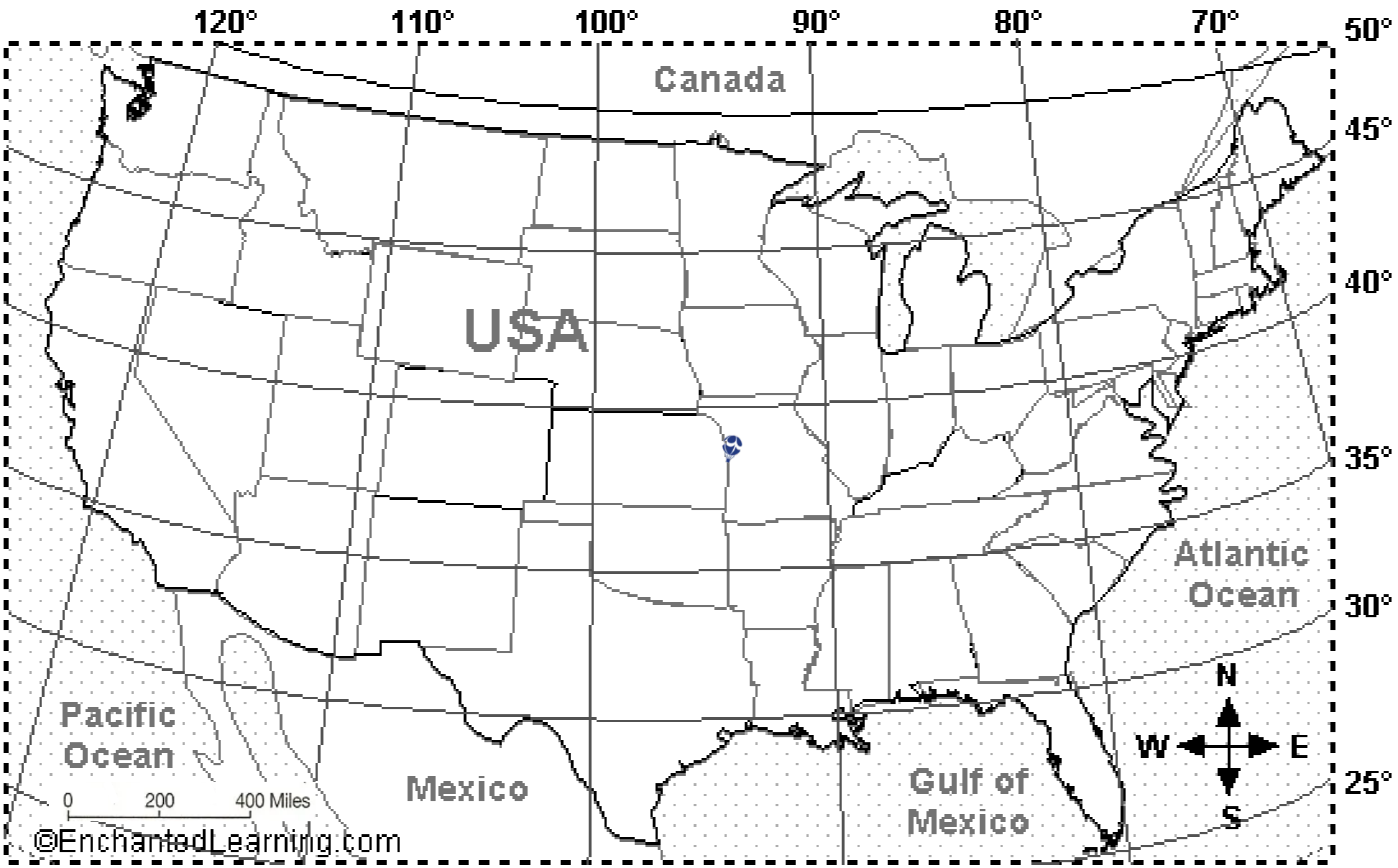
Name of Ride	Location	Latitude/Longitude
RipCord	Layton, Utah	41.0602° N, 111.9711° W
Timber Wolf	Cincinnati, Ohio	39.1031° N, 84.5120° W
Cyclone Sam's	Wichita, Kansas	37.6872° N, 97.3301° W
Mamba	La Selva Beach, California	36.9366° N, 121.8647° W
Detonator	Logan, Utah	41.7370° N, 111.8338° W
Octopus	Salem, Oregon	44.9429° N, 123.0351° W
Scrambler	Jacksonville, Illinois	39.7339° N, 90.2290° W
WOF Railroad	Wyano Pennsylvania	40.1973° N, 79.6973° W
Viking Voyager	Mountain View, California	37.3861° N, 122.0839° W
Prowler	Sunbury, Pennsylvania	40.8626° N, 76.7944° W

Part 2: Using your map, measure the distance between where each ride was manufactured and Worlds of Fun (marked with the WOF balloon on your map). Measure each distance in millimeters then convert them into miles using the map's scale. Round to the nearest mm.

Ride	mm	Miles
RipCord		
Timber Wolf		
Cyclone Sam's		
Mamba		
Detonator		
Octopus		
Scrambler		
WOF Railroad		

Viking Voyager		
Prowler		

Where Did Worlds of Fun Get This Ride?



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Where Did Worlds of Fun Get This Ride?

Part 3: Using the information from part 2, calculate the estimated travel time given an average speed of **60 miles per hour**. (Remember: Time = miles / speed)
Then calculate the amount of gas used to bring the ride to Worlds of Fun when a truck gets **15 miles per gallon**. (Remember: Amount of gas = miles / mpg)

Ride	Miles	Time	Gallons of Gas
RipCord			
Timber Wolf			
Cyclone Sam's			
Mamba			
Detonator			
Octopus			
Scrambler			
Worlds of Fun Railroad			
Viking Voyager			

Prowler			

Words in the Park Search

D Z U L I M E A N D E R N A

U L U Z T U J P O G S O L U

T P S I L D R O C P I R V N

H O P U I N M U O T L B G P

R I E S M A M B A F E D G R

I I C D B M U C W P R E T E

L V T M I P I L A Q E T E C

L R A N T F R T P G V O J E

I A C A I Z R E F D E N P D

N H L C C I I O C R N A R E

G R E O O O B V F E U T O N

Q P B T F A T I G U E O W T

S G F S C R A M B L E R L E

A Q W T B T R A V E R S E D

M G V B A M B O O Z L E R T

I N C R E M E N T A L L R O

U I F L O W R E B M I T Q O

Words in the Park Vocabulary List:

SPECIFICATION
SPECTACLE
FATIGUE
MEANDER
REVENUE
TRAVERSE

SUMMIT	THRILLING
INCREMENTAL	UNPRECEDENTED

Can you find any words related to Worlds of Fun not listed on the vocabulary list?

Words in the Park

Use a dictionary to define each vocabulary word from the Words in the Park search. After you have defined each word, write a sentence about WOF using that word.

Specification	
Definition	Use in a sentence
Spectacle	
Definition	Use in a sentence
Meander	
Definition	Use in a sentence
Revenue	
Definition	Use in a sentence
Unprecedented	

Definition	Use in a sentence
Fatigue	
Definition	Use in a sentence
Traverse	
Definition	Use in a sentence
Summit	
Definition	Use in a sentence
Incremental	
Definition	Use in a sentence
Thrilling	

Definition	Use in a sentence

Worlds of Fun-ny

Entertain your audience with an amusing story about something that happened to you at Worlds of Fun. Your story can be true or you can use your imagination to create a funny fiction story. Make people laugh!

The ABC's of Worlds of Fun

Write a word for each letter of the alphabet that relates to Worlds of Fun.

A is for

B is for

C is for

D is for

E is for

F is for

G is for

H is for

I is for

J is for

K is for

L is for

M is for

N is for

O is for

P is for

Q is for

R is for

S is for

T is for

U is for

V is for

W is for

X is for

Y is for

Z is for

Use all of the words above to write a story about Worlds of Fun.

My Day at the Park Mad-Lib

Fill out the following information with the word of your choice and then insert your answers into the story on the following page in the order given.

Noun:

Verb that ends in “ing”:

Adjective:

Verb:

Adverb:

Number:

Verb:

Adjective:

Plural Noun:

Verb that ends in “ing”:

Number:

Adjective that ends in “est”:

Past tense verb:

Number:

Adverb:

Adjective:

My Day at the Park Mad Lib (Continued)

Our class was so excited to go to Worlds of Fun. We met in the school parking lot and

boarded a _____ to travel to the amusement park. When we got there, I was so
(noun)

excited I felt like _____. My friends and I entered the park and jumped on the
("ing" verb)

first ride we saw, the _____ Dragons. When I got off the coaster, I felt a little
(adjective)

_____, but I knew it was only temporary. Next, we saw the bumper cars and
(adjective)

_____ ran to get in line; there were only _____ people in front of us.
(adverb) (number)

My friends were already talking about the way they were going to _____ into
(verb)

each other on the little cars. After the bumpy ride, I decided to get a _____
(adjective)

drink and a couple of _____ to eat. We decided it was time to ride the Mamba.
(plural noun)

I was so nervous. We were on the way up the first hill when I heard someone below

shout "Good Luck." The last time I rode Mamba I ended up _____ . After hitting
("ing" verb).

speeds of _____ miles per hour on the first hill, I decided that this was the
(number)

_____ ride I had ever been on! When the ride was over, I _____
("est" adjective) (past tense verb)

over to a bench and sat down for a few minutes. With the encouragement of my

friends, I built up the courage and rode the Mamba _____ more times. The rest
(number)

of the day went _____. Worlds of Fun is a _____ amusement park and
(adverb) (adjective)

and I can't wait to go back again!

My Day at the Park Mad Lib Part 2

Now it's time to create your own Worlds of Fun Mad Lib! Follow the steps below.

1. Write a paragraph (or two!) about a day at the park. Be as funny as you wish!
    a. Be sure to have lots of descriptive words (adjectives). The more descriptive you are, the more mad libs you'll be able to insert!
    b. Read through your story multiple times and make sure to include fun details of your day!
2. After you are happy with your story, replace your words of choice with a blank and what type of word needs to replace it. ***Think a noun for a noun and a verb for a verb. If you need to replace a noun, write noun in the blank***
3. Create a list of the word types in the order they appear in your Mad Lib.
4. Find a friend and ask them to give you responses! Read your new story and enjoy!

Take a Ride Through the Body

Smalltown, North Dakota would like to build an amusement park dedicated to the human body. They have hopes that each section of the amusement park will relate to one of the systems in the body (i.e. circulatory, respiratory, digestive, etc.). You and your classmates have been asked to design this new park.

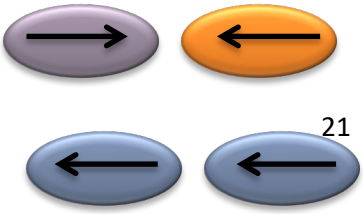
In small groups, decide which section of the park you would like to design. You will be responsible for naming and creating rides and attractions for your "system's section". Remember that anatomical accuracy is as important as the creative design. Your group will present your design idea to the class, so please have a written explanation for each ride and attraction that you are proposing.

Bumper Car Science

The Autobahn bumper cars can be a crazy ride: Crash into other cars, or steer clear of the danger! Think of the Autobahn bumper cars at Worlds of Fun when answering the questions below.

1. If you are in a head-on crash on the Autobahn, you are thrown _____.

2. When you are hit from the rear, you are thrown _____.



3. You are thrown forward when your car _____.

4. You are thrown backward when your car _____.

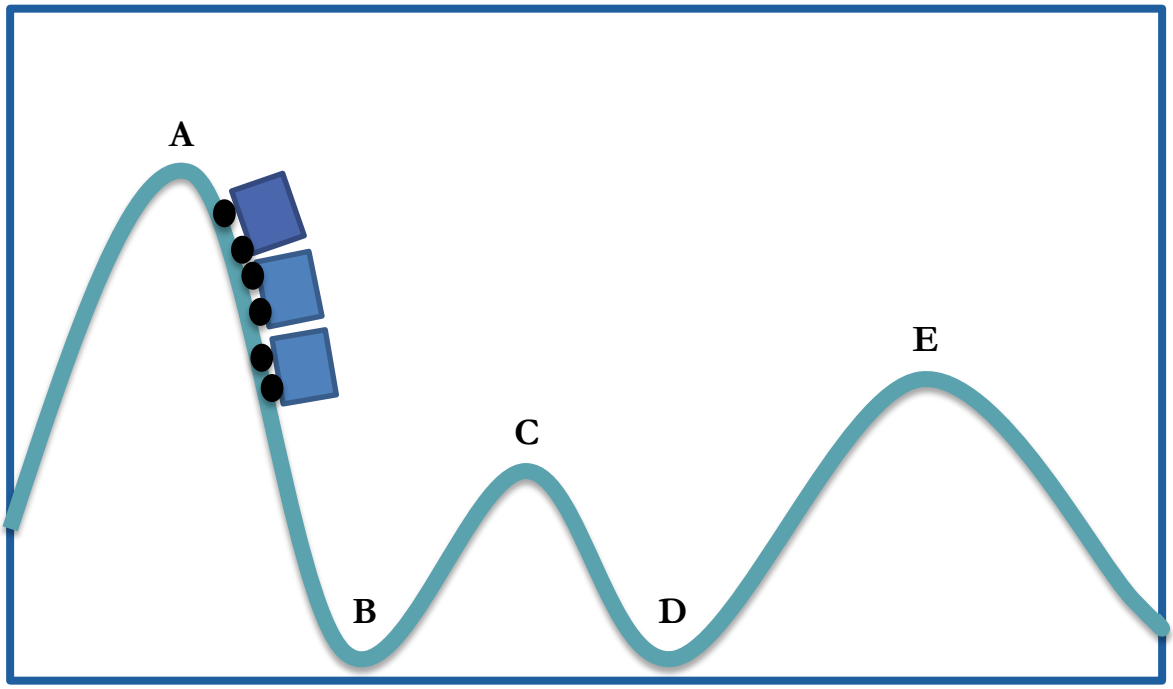
5. If you want someone to feel the biggest jolt, where should you hit their car?

6. What is the purpose of the bumpers?

7. Describe how the mass of a rider would affect a head-on crash. (Use drawings if needed.)

8. Describe how the velocity of the bumper car would affect a head-on crash.

Energy in Motion



Using the diagram above, to complete the following.

1. Circle where the roller coaster has the greatest potential energy.
2. Star where the roller coaster has the greatest kinetic energy.
3. Put a square where the roller coaster has the least potential energy.
4. Which letter, C or E, would demonstrate the roller coaster having more potential energy? Explain.

5. How would you demonstrate the kinetic-potential energy conversions that happen on Mamba?

6. Explain where the kinetic and potential energy are the same.

The Sea Dragon
(Activity at the Park)

Use the following data to determine the speed of the Sea Dragon.

Materials needed: Stopwatch & calculator

1. While standing on the ground near Sea Dragon, use a stopwatch to measure the amount of time it takes the Sea Dragon to make one complete swing. Record your data and repeat for two additional swings (3 total swings). Then, calculate the average time it takes the Sea Dragon to complete one swing.

Observations	**Times**
Swing 1	_____
Swing 2	_____
Swing 3	_____

Average Time = _____

2.

   a. The radius of the arc of the Sea Dragon's swing is 45 feet. Use the radius to calculate the complete circle (circumference) of the Dragon's trip, if the ship went completely around in a circle.

   b. Calculate the actual distance the Dragon travels if the arc of the Sea Dragon's swing is 150 degrees.

3. Calculate the Sea Dragon's speed.

The Zany Zulu
(Activity at the Park)

The unsuspecting passenger who boards the Zulu will get more than just a spin in the park! This ride takes its passengers and flings them upside-down as it moves in a circular motion.

Essential Question:
What is the greatest speed of a rider when the Zulu is spinning vertically?

Materials: stopwatch, calculator, data sheet

1. Find the circumference of the Zulu using a radius of 23.75 ft.

2. Pick a rider. Determine the time it takes that person to make one revolution in a vertical position. Use a stopwatch and record your data. Try multiple times, this will take practice! Record at least 3 data points, then calculate the average time for one revolution.

Observations	**Times**	
Revolution 1	_____	
Revolution 2	_____	
Revolution 3	_____	Average time for 1 revolution _____

3. Using the time of one revolution, estimate the number of revolutions in the vertical position that the passenger would make in one minute.

4. What would your answer be in meters per second? (Use 1 ft = 0.3048 m)

5. Using the formula (S = D/T) calculate the speed of the passenger you observed. Your answer will be in feet per second.

6. Use the following formula to calculate the Zulu's speed in miles per hour:

$$\frac{\text{Circumference in feet x 1 mile x 3600 seconds}}{\text{Time of one revolution x 5280 feet x 1 hour}}$$

7. Explain why you feel pushed against your seat as the ride spins you around?

Traveling the World

Directions: Use a park map to navigate your day at Worlds of Fun!

As I enter the park through the main entrance, I would be on the _____ side of the park.

As I traveled the path directly west, I decided to take a spin on the dragon… Oops… we meant 'attraction' _____.

I decided to cross into Americana and take a spin on the red, white and blue ride just north of Timber Wolf, _____.

I skipped a few rides since I was still a little dizzy and continued on to _____, the southernmost attraction in the park. I hope I have the guts for this!

Time to take a break. I grabbed a seat at the _____ Theater in the northeast corner of the park and watched the show.

After the break, I was ready for a water ride. I headed to the southeast part of Scandinavia and took a voyage on the _____.

_____, full of frontward and backward fun, had me screaming at the top of my lungs in Africa!

Afterward, I walked south to cool off on the _____.

Then I trotted southeast to another water ride, the _____.

After the ride, I decided it was time to head west to the twin towers of _____. I was blasted straight up to the sky!

With the sun setting, I knew I had to get on one more ride so I hustled straight west to the _____ coaster.

When it was time to go home, I headed this direction to get to the main entrance _____.

Create your own!
Write out detailed directions of your ideal day at Worlds of Fun.

Money-Mania

The following people are having trouble figuring out their budget. Help them find out how much money they will need! Show work on every problem to justify your answers.

Photo Memories

Chris wants to purchase Photo Memories photos for himself and his group of three friends. Two of his friends want a 4x5 photo, and one of them wants a 5x7. Each 4x5 photo costs $10 and each 5x7 photo costs $12.

1. How much will it cost Chris to purchase his friends the photos they want and a 4x5 photo for himself?

2. How much more would it cost to get everyone a 5x7 photo instead of a 4x5?

3. Chris wants to surprise his friends with matching keychains. Each keychain costs $9. How much will Christ need to get everyone in their group a keychain and a 4x5 photo?

4. Chris found another keychain that is $15. If Chris has $90, give 3 examples of different combinations of keychains and photos he could purchase so all 4 of them have one photo and one keychain.

Coasters Restaurant

1. April wants to treat herself to a lunch after she rides the Mamba for the first time. She decides on Coasters restaurant and has $15 to spend. List three possibilities for meals using the choices below.

Menu

Steak	$7.50
Hamburger	$8.00
Cheeseburger	$8.50
Fries	$3.00
Funnel Cake	$6.50
Salad	$5.25
Small Soda	$4
Large Soda	$6
Lemonade	$4.75
Apple pie	$3
Cookies	$2
Cheesecake	$2

2. Jamie bet her friend Maren that she could not eat 3 cookies, 2 apple pies, 1 cheesecake, and a large soda from Coasters before Maren rides the Finnish Fling without getting sick.

   a. How much will all the food cost?

   b. If Jamie said she would pay for half, how much will each friend pay?

   c. Jamie then decides she will pay for two thirds of the food if Maren doesn't get sick.

      i. How much will each friend pay?

ii. How much does Jamie need to give Maren since they have each already paid for half of the food?

Ripcord

Erin and Brad want to ride the Ripcord. If they ride separately, the cost is $30 each. If they want to ride together, the cost is $25 each.

1. What percentage of money will they save if they ride together?

2. What if they add their third friend, Nick, and the cost decreases to $20 per person?

Super Shoot Basketball

Brandon plays the super shoot basketball game at the arcade and receives 24 tickets each time he plays. Each game is $1.50.

1. How many times will Brandon need to play if he wants to win a baseball hat that costs 432 tickets?

2. Brandon has $20. Will he be able to win enough tickets for the hat? Explain.

Timeline of Worlds of Fun

When studying history, a timeline is a very helpful tool that allows a person to see when events occurred.

1. Create a timeline with the Worlds of Fun events listed below.
2. Research and add a historical world event that happened in each year on your timeline.
3. Research and add 3 more significant events about the history of Worlds of Fun.

Worlds of Fun Historical Events

1996 Detonator and RipCord added

2000 Boomerang installed

2020 Riptide Raceway released

1982 Oceans of Fun opens

2006 Patriot installed

2018 Nordic Chaser added

1998 Mamba released

2011 Camp Snoopy becomes Planet Snoopy

2017 Mustang Runner & Falcons Flight added

1971 Worlds of Fun construction begins

2016 5 New Family rides added in Planet Snoopy

2008 Worlds of Fun 35th anniversary

1994 Sea Dragon installed

1973 Worlds of Fun opens

2023 50th Anniversary and Zambezi Zinger Reimagined

2004 Spinning Dragons added

1989 Timber Wolf unleashed

1992 Monsoon added

2009 Prowler released

Passport to Worlds of Fun

Directions: Use the following Ride Fact Chart to graph four various categories on the following page. Use the graphs to determine which rides you will visit multiple times!

Ride Fact Chart

Name of Ride	Year Introduced	Length of Track (ft)	Height (ft)	Ride Duration (min)	Maximum Speed (mph)

Mamba	1998	5600	205	3:00	75
Timber Wolf	1989	4230	95	2:13	45
Boomerang	2000	2000	110	1:00	30
Spinning Dragons	2004	1345	54	1:30	30
Monsoon	1992	780	50	1:30	35
Patriot	2006	3081	149	2:18	65
Prowler	2009	3074	102	2:30	51

Passport to Worlds of Fun
Comparison Graphs

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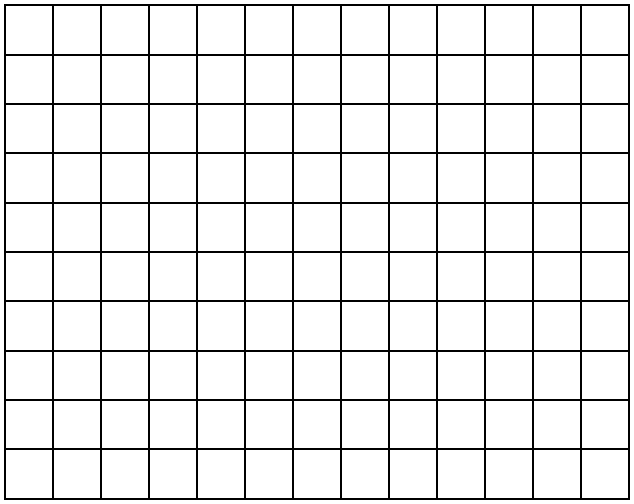

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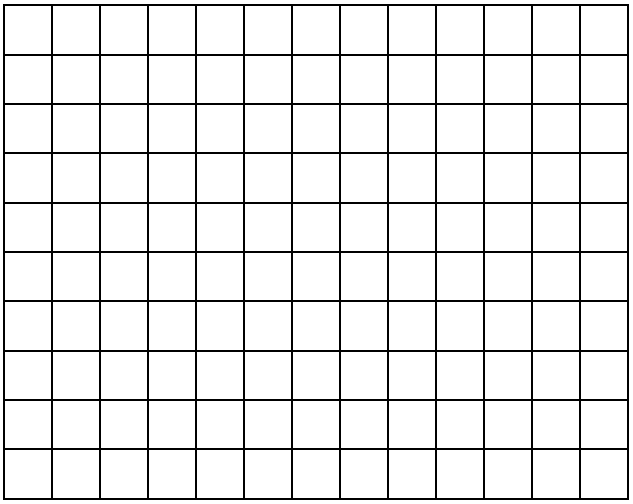

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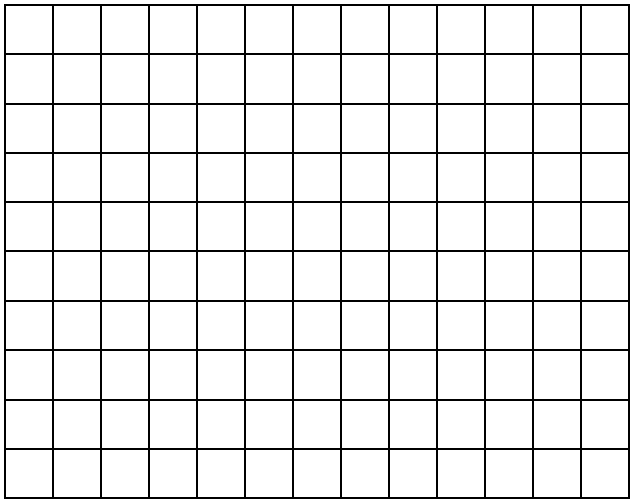

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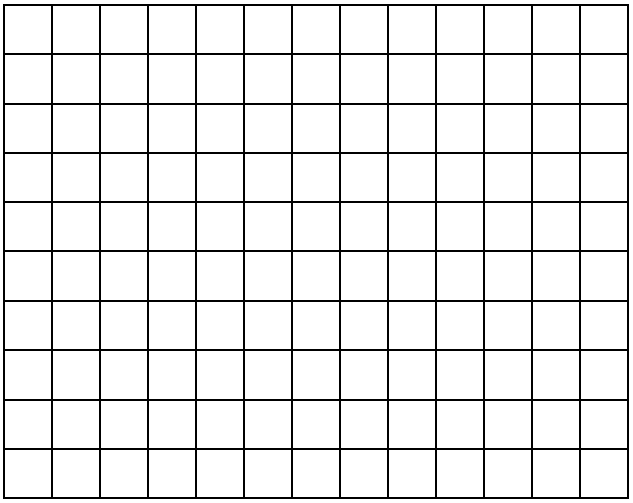


Ecosystems at Worlds of Fun

Worlds of Fun is themed into five areas from around the globe.

The sections are: **Americana**, **Africa**, **Europa**, **Scandinavia**, and **the Orient**.

Pick an area from above and then a country in that area.

My country is_____.

My country is located at _____ latitude and _____ longitude.

It has a population of _____.

The type of government is _____.

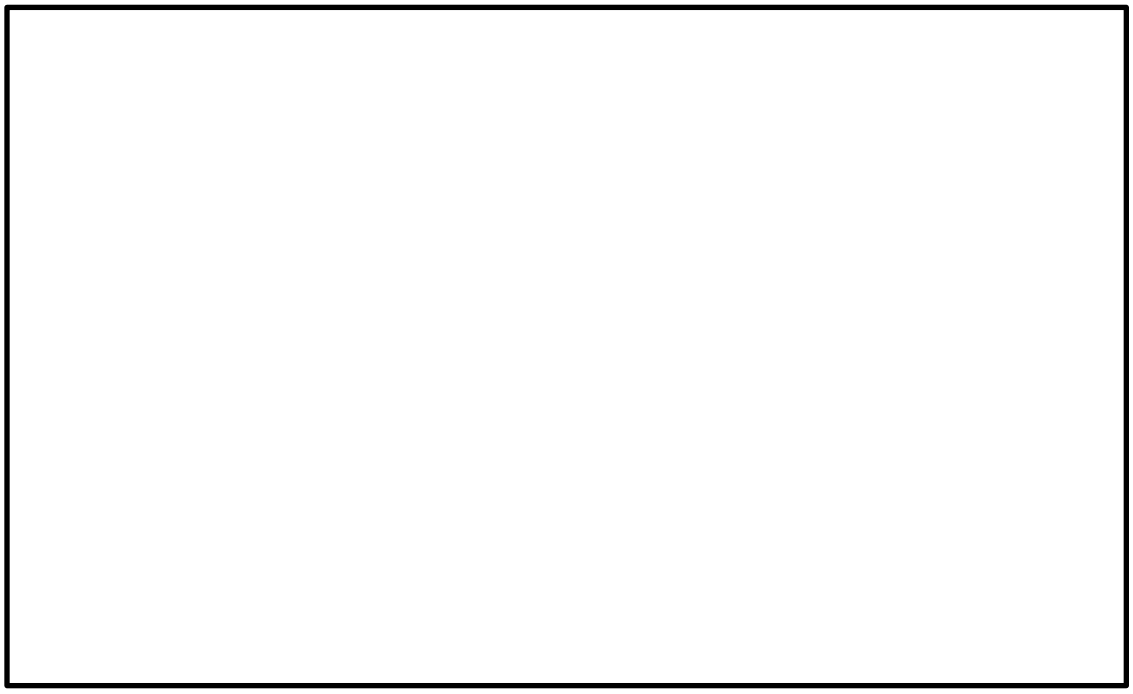
My country was founded in _____.

The most common religion in my country is _____.

My country is well known for _____.

My country is a leading producer of in the world_____.

Draw the flag of



your chosen country.

What is the definition of an ecosystem?

What is the definition of a biome?

Explore and document a biome and an ecosystem for 3 areas of your country.

How have humans affected the ecosystems?

In the space below, draw a plant, organism, or food that represents your chosen country.

Help, I'm Lost!

George just got off the Mamba and cannot find his friends anywhere! An announcement has just come over the loudspeakers, "If you or a member of your party have become lost or separated, please meet at the Grand Carrousel at the Main Entrance of the park."

Use a map of Worlds of Fun to write out directions for George to find his way from the Mamba exit to the Main Entrance using the walkways and not walking on the grass.

Along with your written directions, draw a picture of a landmark for each step to help George find his way!

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

Small Experiments

Use the provided observation sheet to complete one or more of the following classroom experiments.

Experiment	Materials	Instructions
SteelHawk	• Foam stomp rocket • Protective eye gear	Place a foam stomp rocket on the stand. Place your protective eye gear onto your face. Stomp on the launch mechanism, making certain that it points at the ceiling. What do you observe? Try again, this time stomping with a different amount of force.
Finish Fling	• Marble • Cup	Place a marble onto the table to put a cup over it. Move the cup in a circular motion to make the marble spin around on the inside of the cup. Observe the motion of the marble. Now, with the marble moving, lift the cup off the table and observe the motion of the marble.
Zulu	• Penny • Balloon	Take a penny and place it inside the neck of the balloon until it is completely inside the balloon. Blow up the balloon and tie it off, penny inside the inflated balloon. Move the balloon to make the penny spin around the inside of the balloon. Observe the path of the penny.
Autobahn	• 4 coins of the same size	Take four similar coins and make a stack of them on the table, one on top of the other. Take another coin of the same denomination and quickly flick it across the table, striking the stack squarely.

Sea Dragon	• Several marbles • Slotted ruler	Place several marbles into the slot in the center of the ruler so they are touching one another. Take another marble and slide it down the slot so it rolls into the marbles resting on the ruler. What will happen when that rolling marble strikes those stationary in the slot? Try it with two marbles rolling down the groove and striking the stationary marbles.
LeTaxi	• Pull-Back Car	Place the pull-back car on the table. Pull it back, then release. Observe. What would happen if you pulled the car back just a little and then released it? What if you pulled it back further.
The Grand Carrousel	• Spool of thread • CD or DVD • Balloon	Attach the base of a thread spool to the flat side of a CD or DVD. Take one balloon and inflate it. Do not tie it off at the neck, but instead twist the neck so no air escapes. Stretch the mouth of the balloon and place it over the spool that is attached to the CD. What will happen as you place this onto the table and release them, as the balloon untwists so the air escapes. Push the CD across the table and observe.
Detonator	• Two soft balls	Take a ball into each hand. Hold them at the same height above the floor and release them simultaneously. The BOTTOM of each ball should be at the same level before you drop them. Which one will reach the floor first? Observe. You might need to try a few times before you are able to drop them at precisely the same time from the same height.
Cyclone Sam's	• Balloon	Blow up a balloon. Do not tie it off. Let it go. What happened when you released the balloon? Observe and explain.
Flying Dutchman	• Three people and a towel	This station will require three people working together in a very cooperative manner. Two students hold a towel at the ends so that it is outstretched. The other student takes the egg and tosses it toward the towel. Hopefully it lands in the towel. If not, use the towel to clean up the mess. What will happen when the egg hits the towel? Observe and explain.

RipCord	• a silk scarf, a table, a saucer, and a cup	Place a silk scarf onto the table so that 10 cm of the scarf hanging over the table. Place the saucer and cup on top of one another onto the scarf. What will happen to the cup and saucer if you quickly pull the scarf out from underneath them? Pull in a quick downward motion. Observe and explain.
Mamba	• a string, medium to large beads, and a beaker	Carefully put a string of beads into a beaker. Don't just thrown them in. Instead, place them into the beaker, starting with one end and feeding them into the beaker until they are all in. Then hold the beaker upright in the air at eye level with one hand and hold the end of the line of beads in the other hand. Drop the beads in your hand over the edge so that they fill fall to the floor. Observe what happens to all of the beads.

Small Experiments: SteelHawk

Materials: Foam stomp rocket, protective eye gear

Instructions: Place a foam stomp rocket on the stand. Place your protective eye gear onto your face. Stomp on the launch mechanism, making certain that it points at the ceiling. What do you observe? Try again, this time stomping with a different amount of force.

Prediction of what will happen BEFORE YOU TRY:

Observation:

Explain:

Small Experiments: Finish Fling

Materials: Marble, Cup

Instructions: Place a foam stomp rocket on the stand. Place your protective eye gear onto your Place a marble onto the table to put a cup over it. Move the cup in a circular motion to make the marble spin around on the inside of the cup. Observe the motion of the marble. Now, with the marble moving, lift the cup off the table and observe the motion of the marble.

Prediction of what will happen BEFORE YOU TRY:

Observation:

Explain:

Small Experiments: Zulu

Materials: Penny, balloon

Instructions: Take a penny and place it inside the neck of the balloon until it is completely inside the balloon. Blow up the balloon and tie it off, penny inside the inflated balloon. Move the balloon to make the penny spin around the inside of the balloon. Observe the path of the penny.

Prediction of what will happen BEFORE YOU TRY:

Observation:

Explain:

What path would the penny take if you were to pop the balloon as the penny spins around the inside? Explain.

Small Experiments: Autobahn

Materials: 4 coins of the same size

Instructions: Take four similar coins and make a stack of them on the table, one on top of the other. Take another coin of the same denomination and quickly flick it across the table, striking the stack squarely.

Prediction of what will happen BEFORE YOU TRY:

Observation:

Explain:

Small Experiments: Sea Dragon

Materials: several marbles, slotted ruler

Instructions: Place several marbles into the slot in the center of the ruler so they are touching one another. Take another marble and slide it down the slot so it rolls into the marbles resting on the ruler.

What will happen when that rolling marble strikes those stationary in the slot?

Prediction of what will happen BEFORE YOU TRY	Observation	Explain

Try it with two marbles rolling down the groove and striking the stationary marbles.

Prediction of what will happen BEFORE YOU TRY	Observation	Explain

What would happen if you used marbles of obviously different masses?

What would happen if you rolled one marble from each side simultaneously into the group of stationary marbles?

Small Experiments: LeTaxi

Materials: Pull-Back Car

Instructions: Place the pull-back car on the table. Pull it back, then release. Observe. What would happen if you pulled the car back just a little and then released it? What if you pulled it back further.

Prediction of what will happen BEFORE YOU TRY:

Observation:

Explain:

Small Experiments: The Grand Carrousel

Materials: Spool of thread, CD or DVD, Balloon

Instructions: Attach the base of a thread spool to the flat side of a CD or DVD. Take one balloon and inflate it. Do not tie it off at the neck, but instead twist the neck so no air escapes. Stretch the mouth of the balloon and place it over the spool that is attached to the CD. What will happen as you place this onto the table and release them, as the balloon untwists so the air escapes. Push the CD across the table and observe.

Prediction of what will happen BEFORE YOU TRY:

Observation:

Explain:

What would happen if you used a balloon of a different shape or size?

Small Experiments: Detonator

Materials: Two Soft Balls

Instructions: Take a ball into each hand. Hold them at the same height above the floor and release them simultaneously. The BOTTOM of each ball should be at the same level before you drop them. Which one will reach the floor first? Observe. You might need to try a few times before you are able to drop them at precisely the same time from the same height.

Prediction of what will happen BEFORE YOU TRY:

Observation:

Explain:

Small Experiments: Cyclone Sam's

Materials: Balloon

Instructions: Blow up a balloon. Do not tie it off. Let it go. What happened when you released the balloon? Observe and explain.

Prediction of what will happen BEFORE YOU TRY:

Observation:

Explain:

Small Experiments: Flying Dutchman

Materials: Three people, a towel

Instructions: This station will require three people working together in a very cooperative manner. Two students hold a towel at the ends so that it is outstretched. The other student takes the egg and tosses it toward the towel. Hopefully it lands in the towel. If not, use the towel to clean up the mess. What will happen when the egg hits the towel? Observe and explain.

Prediction of what will happen BEFORE YOU TRY:

Observation:

Explain:

Small Experiments: RipCord

Materials: silk scarf, table, saucer, cup

Instructions: Place a silk scarf onto the table so that 10 cm of the scarf hanging over the table. Place the saucer and cup on top of one another onto the scarf. What will happen to the cup and saucer if you quickly pull the scarf out from underneath them? Pull in a quick downward motion. Observe and explain.

Prediction of what will happen BEFORE YOU TRY:

Observation:

Explain:

Small Experiments: Mamba

Materials: string, medium to large beads, beaker

Instructions: Carefully put a string of beads into a beaker. Don't just thrown them in. Instead, place them into the beaker, starting with one end and feeding them into the beaker until they are all in. Then hold the beaker upright in the air at eye level with one hand and hold the end of the line of beads in the other hand. Drop the beads in your hand over the edge so that they fill fall to the floor. Observe what happens to the beads.

Prediction of what will happen BEFORE YOU TRY:

Observation:

Explain:

Words in the Park Search ANSWER KEY

D	Z	U	L	I	M	E	A	N	D	E	R	N	A
U	L	U	Z	T	U	J	P	O	G	S	O	L	U
T	P	S	I	L	D	R	O	C	P	I	R	V	N
H	O	P	U	I	N	M	U	O	T	L	B	G	P
R	I	E	S	M	A	M	B	A	F	E	D	G	R
I	I	C	D	B	M	U	C	W	P	R	E	T	E
L	V	T	M	I	P	I	L	A	Q	E	T	E	C
L	R	A	N	T	F	R	T	P	G	V	O	J	E
I	A	C	A	I	Z	R	E	F	D	E	N	P	D
N	H	L	C	C	I	I	O	C	R	N	A	R	E
G	R	E	O	O	O	B	V	F	E	U	T	O	N
Q	P	B	T	F	A	T	I	G	U	E	O	W	T
S	G	F	S	C	R	A	M	B	L	E	R	L	E
A	Q	W	T	B	T	R	A	V	E	R	S	E	D
M	G	V	B	A	M	B	O	O	Z	L	E	R	T
I	N	C	R	E	M	E	N	T	A	L	L	R	O
U	I	F	L	O	W	R	E	B	M	I	T	Q	O

Words in the Park Vocabulary List:

SPECIFICATION
MEANDER
SPECTACLE
REVENUE
FATIGUE
TRAVERSE
SUMMIT
INCREMENTAL
THRILLING
UNPRECEDENTED

Can you find any words related to Worlds of Fun not listed on the vocabulary list?

PLANET SNOOPY RIDES

- A Cosmic Coaster
- D SNOOPY™ vs Red Baron
- G SNOOPY'S™ Space Buggies
- I Linus' Launcher
- E SNOOPY'S™ Junction
- F SNOOPY'S™ Rocket Express
- Q PEANUTS™ 500
- H Flying Ace Balloon Race
- J PEANUTS™ Road Rally
- J Lucy's Tugboat
- K Camp Bus
- L Sally's Swing Set
- M Kite Eating Tree
- N Charlie Brown's Wind-Up
- O Woodstock Whirlybirds
- P Beagle Brigade Airfield
- Q Woodstock Gliders

GATEWAY GARDENS

- Norma's Funnel Cake — Specialty Funnel Cakes | Soft Serve Ice Cream
- Gateway Pizza
- Coca-Cola® Refresh Station
- Dippin' Dots
- Plaza Gifts
- Worlds of Fun Rentals — Strollers | Wheelchairs | Lockers
- Worlds of Fun Photos
- International Plaza Stage
- Grand Pavilion

EAST ASIA

- Pagoda Nachos — Nachos | Churros
- Coca-Cola freestyle® — Experience Over 100+ Beverage Choices
- PANDA EXPRESS™
- Rickshaw Richard's Imports — Television | Movie Video Game Merchandise
- Body Art

AMERICANA

- Dippin' Dots
- Cotton Blossom BBQ — KC BBQ | Mac'n'Cheese/Brisket Hand-breaded Chicken Tenders
- Cotton Blossom Turkey Legs — Turkey Legs | Smoked Corn on the Cob | Coca-Cola Refresh
- Cinnabon®
- All-American Shake Shop
- Coca-Cola Marketplace
- American Spirits — Beer | Wine | Cocktails
- RipCord Merchandise
- Patriot Landing — Photos | Gifts
- Front Street Shops — Caricatures | Front Street Emporium and Candy Shop
- Americana Arcade
- Americana Stage

WILD WEST

- Prospector's Burritos — Burritos | Bowls | Nachos
- Coca-Cola® Refresh Station & ICEE® Refresh
- Airbrush Artist
- Cyclone Sadie's Mercantile
- Games Street
- Detonator Games
- Country Junction

PLANET SNOOPY

- Coca-Cola® Refresh Station & ICEE® Refresh
- SNOOPY™ Boutique — PEANUTS™ Souvenirs | Snacks
- PEANUTS™ Showplace

EUROPA

- Coca-Cola® Refresh Station & ICEE® Refresh
- Déjà vu
- Moulin Rouge Theater

AFRICA

- Sand Dune Diner — Fresh Burgers | Chicken Tenders | Shakes
- Coca-Cola® Refresh Station & ICEE® Refresh
- Dippin' Dots
- The Oasis — Pretzels | Popcorn | Snacks
- Oasis Deck — Beer | Wine | Cocktails
- Auntie Anne's®
- G'Rilla Grill — Chicken Sandwiches & Skewers | Fresh Salads | Coleslaw | Smoothies
- Big Jack's — ICEE® Refresh | Snacks
- MAMBA® Photo
- Moroccan Merchant
- Prowler Photo
- Zinger Exit Shop — Safari Trading Company
- 3 Point Challenge
- Africa Games

SCANDINAVIA

- Sipping Chalet — Turkey Legs | Popcorn | Pretzels
- Scandi Candy — Candy | Handmade Fudge
- Viking Voyager Photo

OCEANS OF FUN

- Dippin' Dots
- Paradise Shaved Ice
- Coca-Cola® Refresh Station
- Paradise Pizza — Pizza by the Slice | Hot Dogs Smoothies
- Beach Bites — Fruit Bowls | Salads | Smoothies Coca-Cola® Refreshments Funnel Cakes
- Dippin' Dots
- Snack Shack — Pretzels | Popcorn | Snacks
- Coca-Cola® Refresh Station & ICEE Refresh
- Calypso Café — Burgers | Chicken Tenders | Fries
- Dippin' Dots
- Belly Up Bar — 21 & Older with ID
- SUBWAY®
- Surf's Up Food Pavilion — Build your own Mac & Cheese, Philly Cheesesteaks | BBQ
- Trader Nick's Rentals — Cabanas | Strollers | Wheelchairs
- Oceans of Fun Photos
- Bender's Surf Shop

COLOR KEY

- Food
- Shops
- Live Entertainment & Shows
- Games
- Catered Pavilions
- PLANET SNOOPY Rides

MAP LEGEND

- Accessible Restroom
- Additional Charge For RipCord®
- ATM
- Bar
- Cabana Rental
- Cash-to-Card Kiosk
- Dining Plan Eligible
- Family Care Center
- Fast Lane Sold Here
- First Aid
- FunPix
- Guest Services and Height Check Station
- Refresh Stations
- Restrooms & Water Fountains
- Service Animal Relief Station
- Shirt/Shoes Required In Worlds of Fun

WARNING

Many rides at Worlds of Fun/Oceans of Fun are dynamic and thrilling. There are inherent risks in riding any amusement ride. For your protection, each ride is rated for its special features, such as high speeds, steep drops, sharp turns, or other dynamic forces. If you choose to ride, you accept all of these risks. Restrictions for guests of larger size (height or weight) are posted at certain rides. Guests with disabilities should refer to our Ride Admission Policy available at Guest Services. Participate responsibly. You should be in good health to ride safely. You know your physical conditions and limitations. Worlds of Fun/Oceans of Fun does not. If you suspect your health could be at risk for any reason, or you could aggravate a pre-existing condition of any kind, DO NOT RIDE!

STAY IN THE LOOP at worldsoffun.com

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