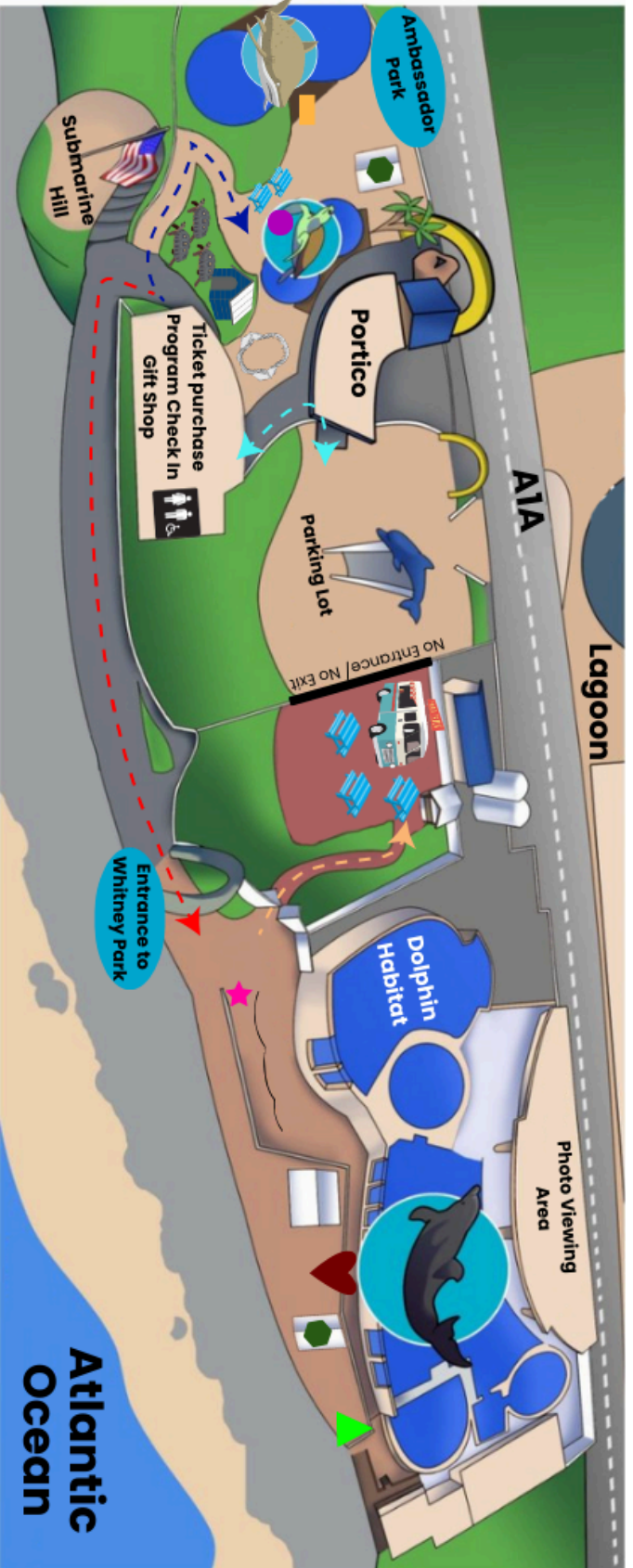


November Workbook (6th-12th)





Homeschool Day Activities

- **Guided Dolphin Window Enrichment: HIGHLY RECOMMENDED!**
 - **Location & Time:** 10:50 AM Meet in front of the Bleachers
 - **Page Number:** See Page 8
- **Guided Educational Booth Activity: Dolphin Adaptations**
 - **Description:** Learn about all of the different parts of a dolphin and the different adaptations a dolphin has to live in the water.
 - **Location:** Education Station in Ambassador Park
 - **Page Number:** See Pages 4-7
- **Guided Educational Booth Activity: Dolphin Senses**
 - **Description:** Learn about how dolphins communicate then compare dolphin senses with your own!
 - **Location:** Education Station in Whitney Park
 - **Page Number:** See Pages 9-10
- **Guided Meet our Dolphin Family Guess Who Activity:**
 - **Description:** Using the guide in this packet students will get to know a little bit more about the 13 bottlenose dolphins that call Marineland home.
 - **Location:** Meet at Education Station in Whitney Park at the designated times.
 - **Page Number:** 14-16
- **Guided Field Activity: Mock Stranding (AT THE BEACH!)**
 - **Description:** Learn how to help authorities if you were to come across a marine mammal stranded and get to act out what the rescue team would do if called to a dolphin stranding
 - **Location:** Meet at the front gate at the designated time do not be late lesson will start promptly at the designated time!!
 - **Page Number:** See page 11-13





Homeschool Day Schedule		
Guided Educational Booth Activities (Available as a walk up activity from 9:30 AM-2:00PM)		
Dolphin Adaptations		Ambassador Park's Educational Booth
Dolphin Senses		Whitney Park's Educational Booth
Guided Scheduled Activities (Available at specific times for specific age groups)	Timeframe	Location
Dolphin Window Enrichment Session (All age groups)	10:50 AM	Whitney Park Bleachers
Marineland Dolphin Family: Guess Who (All age groups welcome)	9:45 AM - 10:05AM, 10:30 AM - 10:50 AM, 12:30 PM - 12:50 PM	Whitney Park Bleachers
Mock Stranding (K- 5th)	11:40 AM - 12:20 PM	Meet at Front Gate: We will be walking to the beach for this activity
Mock Stranding (6th and Up)	1:10 PM - 1:50 PM	
Dolphin Meet & Greet (additional \$25 plus tax, photo's of program purchased separately): 9:30 AM, 12:45 PM		
Additional Talks and Presentations included with Homeschool Day (Please note some of these are repeated throughout the day and included in EVERY Homeschool Day)		
Time	Activity	Location
9:30 AM	Sea to Shore Aquarium Tour	Whitney Park Stantions
10:15 AM	Turtle Talk	Sea Turtle Habitat in Ambassador Park
10:45 AM	Shark Talk & Feeding	Ambassador Park
11:15 AM	Dolphin Talk	Whitney Park Bleachers
11:45 AM	Sea to Shore Aquarium Tour	Whitney Park Stantions
12:30 AM	Sea to Shore Aquarium Tour	Whitney Park Stantions
1:15 PM	Sea to Shore Aquarium Tour	Whitney Park Stantions



Things to do in Ambassador Park:

-  10:30 AM: Shark Talk
-  1:00 PM: Turtle Talk
-  Red Foot Tortoise Viewing
-  Education Station Activities & Ambassador Program

Things to do in Whitney Park:

-  Dolphin Program Pick-Up
-  Dolphin Talk & Program Viewing Area
-  Sea to Shore Aquarium Tour Pick-Up Location
-  Education Station Activities & Ambassador Program

Only Entrance & Exit

-  Flipperz Food Truck
-  Food Designated Area of the Facility
- No food allowed in Whitney Park for Dolphin Safety**

Dolphin Adaptations

Guided Activity

Head to our education station in Ambassador Park to begin your homeschool day!

Pre-activity Questions:

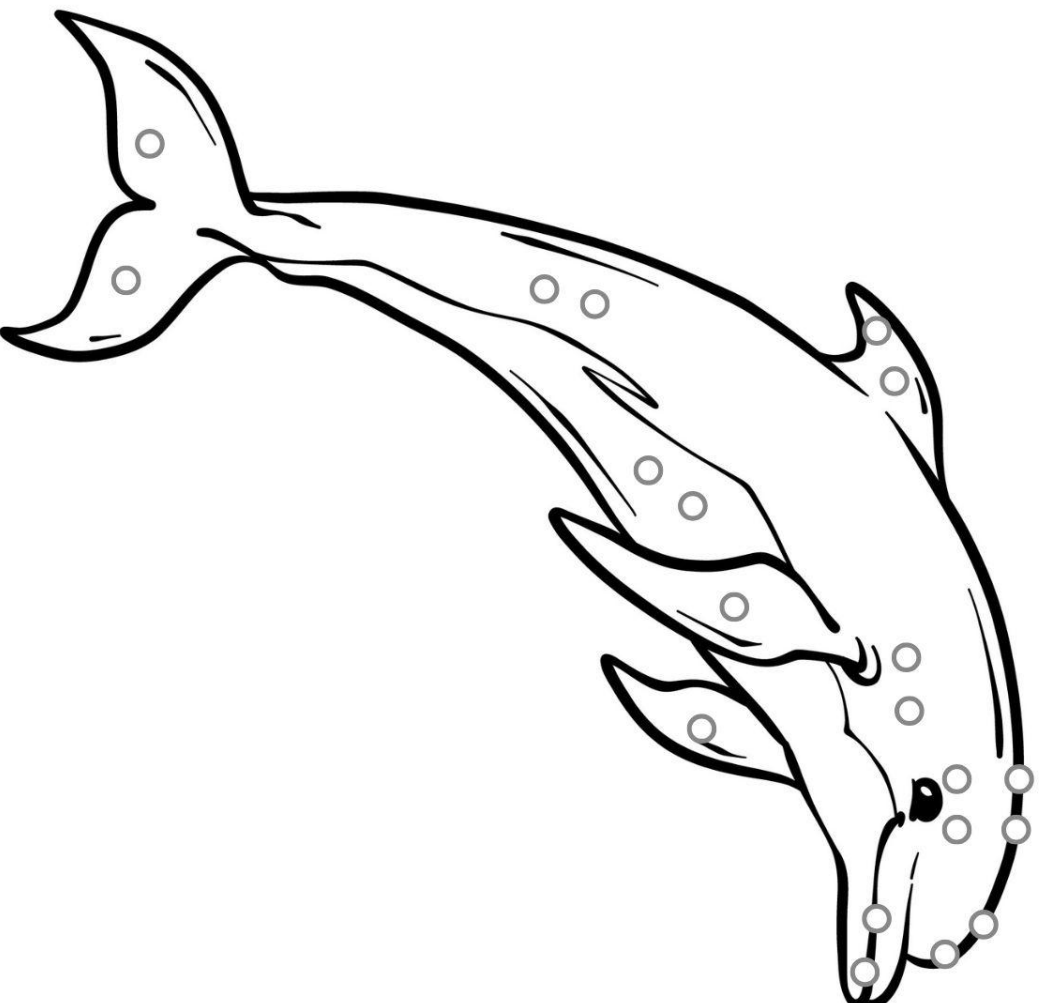
1. List a few things you might already know about dolphins:

- _____
- _____
- _____
- _____

2. How do you think dolphins have adapted to their ocean environment?

Dolphin Adaptations:

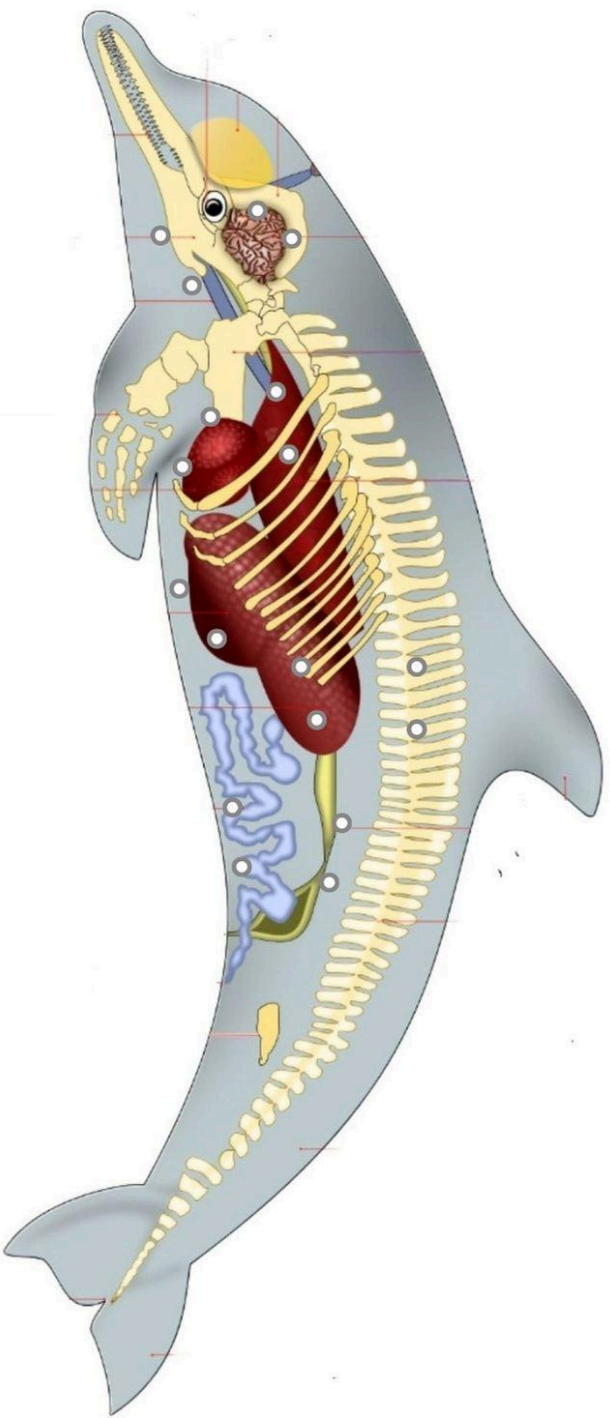
- Tail Flukes
- Dorsal Fin
- Pectoral Flippers
- Ears
- Melon
- These help the dolphin steer
- Dolphins breathe and make sounds through this opening
- This is used to grab prey
- Natural camouflage
- Strong muscle that allows dolphins to jump 2-3 times their body length out of the water



- Peduncle
- Blowhole
- Eyes
- Rostrum
- Counter shading
- This part acts like an acoustic lens to focus sounds in different directions
- Dolphins are primarily monocular, meaning they typically use only one of these to process visual stimuli
- The separation of this body part allows a dolphin to localize sound, which is important for echolocation
- This body part helps stabilize the dolphin
- This helps propel the dolphin forward

Dolphin Adaptations: Internal Anatomy

- Kidney
- Intestines
- Liver
- Esophagus
- Stomach
- Lungs
- Heart
- Brain
- Skeleton
- This pumps blood into the lungs to be oxygenated
- This transports food down into the stomach
- This is separated into 3 chambers for breaking food down
- This is associated with recognizing, remembering, and understanding
- This helps with digestion and the absorption of fats; it is also the pathway to excretion
- This helps digest and process nutrients from food
- Dolphins breathe air through a blowhole and hold their breath for up to 7 minutes
- These help filter out the excess salt dolphins receive from their environment
- Made of bones that are lighter in weight than land mammals



Dolphin Adaptations: How do they stay warm?

Now that you have learned about the different parts of a dolphin and what each part does we are going to dive deeper into other ways dolphins are built for their environment.

Have you ever gotten into the ocean in the wintertime?

Yes

Maybe

No

If you have what does it feel like? If you have not what do you think it would be like?

If you think it is cold for you do you think it would be cold for a dolphin?

Yes

Maybe

No

How do you think dolphins keep themselves warm?

After testing the water temperature without "Blubber" and then with "Blubber" do you think blubber helps a dolphin stay warm?

Yes

No

Dolphin Enrichment: 10:50 AM

What is Enrichment:

Why do we provide our dolphins with enrichment?

Circle a few items that are used for dolphin enrichment:

Footballs

Bouys

Workout balls

Basket Balls

Hula Hoops

Cones

Circle What **other** animals do you think get enrichment at Marineland?

Bamboo

Rocky

Hermit crabs

Sharks

Tortoises

Lobsters

Rays

Fish

Sea Turtle

Corals

Dolphin Senses

Guided Activity

Head to our education station in Whitney Park to begin your homeschool day!

Pre-activity Questions:

1. List 2 things humans communicate with each other.
2. List 2 things dolphins communicate with each other.
3. List 5 senses that humans have.
4. List 5 senses that dolphins have.

Different Emotions to Communicate:

Happy
Sleepy

Disgusted
Grumpy

Silly
Surprised
Fear

Part One:

Pencil Location Trial #1 (Y/N)	Pencil Location Trial #2 (Y/N)	Pencil Location Trial #3 (Y/N)	Pencil Location Trial #4 (Y/N)

Part Two:

Information Being Communicated (without blindfold)	Information Being Communicated (with blindfold)	Information Being Communicated (without blindfold)	Information Being Communicated (with blindfold)

Post Activity Questions:

1. How many times out of the four did you correctly locate the dropped pencil? What do you think is the explanation for these results?

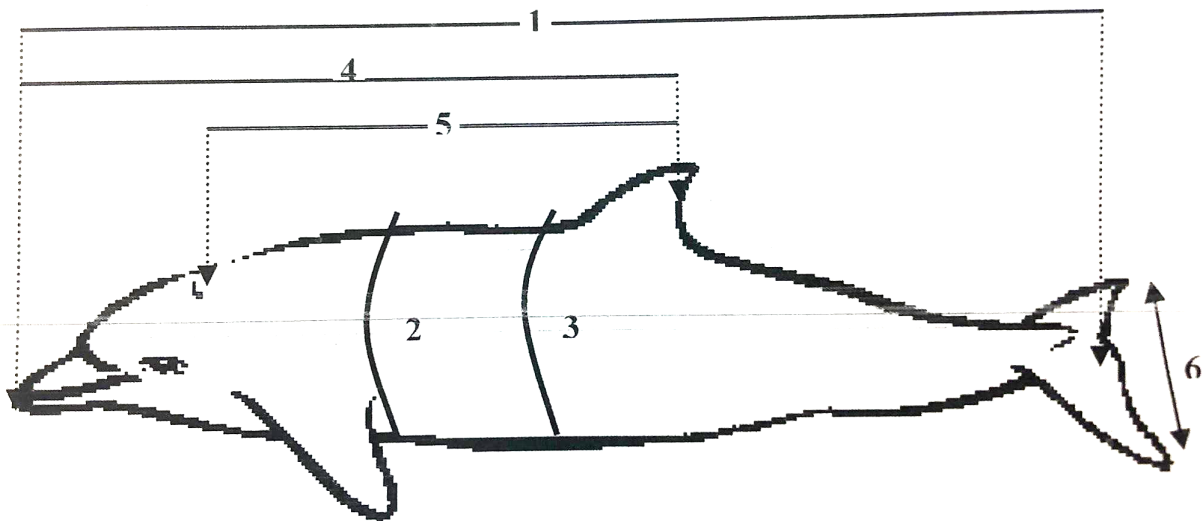
2. During which Trial, with or without the blindfold, was it harder for you to figure out the information being communicated to you? Why do you think it was more difficult at that time?

Mock Stranding

(Meet at the main entrance no later than 1:10 PM)

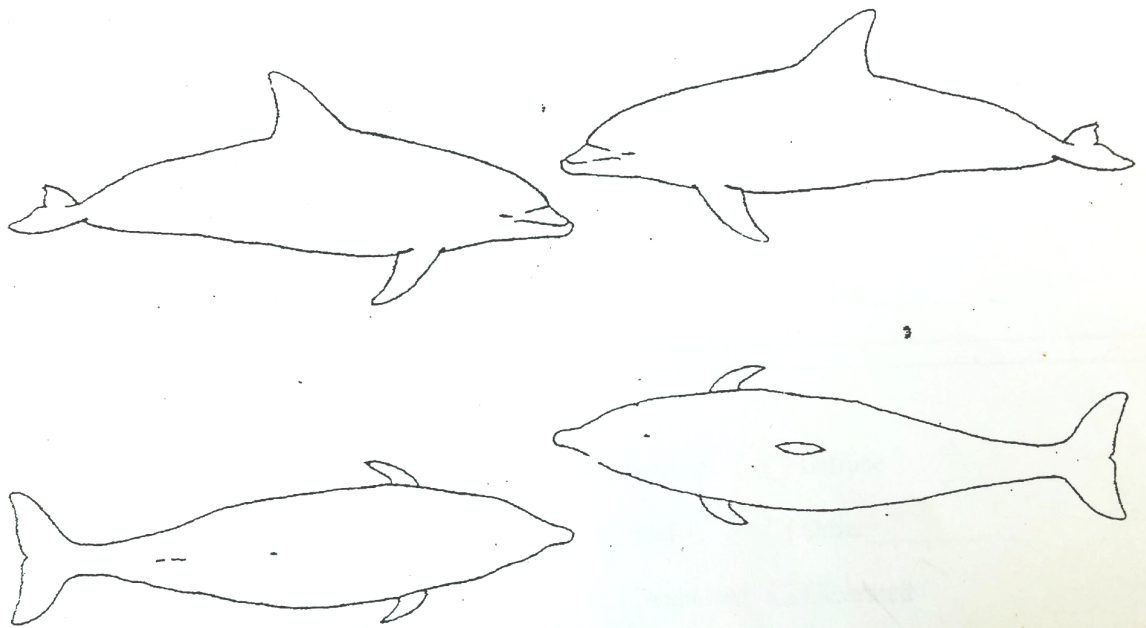
Dolphin Stranding Form				
Observer's Name:			Date:	
Common Name:				
Location Found: Circle One: Offshore Inshore Beach				
State: _____				
County: _____				
Note Landmarks Below:				
Initial Condition (Circle One):				
Alive	Just Past	Decomposed	Skeleton	Condition Unknown
Photo's/Video's Taken (Circle One): YES NO				
Live Animal Information (Circle all that Apply):				
Sick	Injured	Inaccessible	Deemed releasable	Hazardous location: To animal (s) & Public

Morphological Information:			
Sex (Circle One):		Estimated Age Class Circle one):	
Male	Adult	Yearling	Pup/Calf
Female	Subadult		Unknown
Unknown			
Physical Information:			
Whole Animal		Partial Animal	
Straight Length: _____ CM			
Circle One	Actual Length	Estimated	Length Not Measured



Physical Condition (circle all that apply):			
Body Condition	Rake Marks	Lesions	Potential Human Interactions
Emaciated	0	0	Vessel Interaction
Underweight	1-2	1-2	Shot
Ideal	3-5	3	Fishery Interaction
Overweight	>5	>3	

Sketch Positions of any external marks:



TIME	SINGLE RESPS	RESPS PER 5 MINS	NOTES

MEET OUR DOLPHIN FAMILY: GUESS WHO

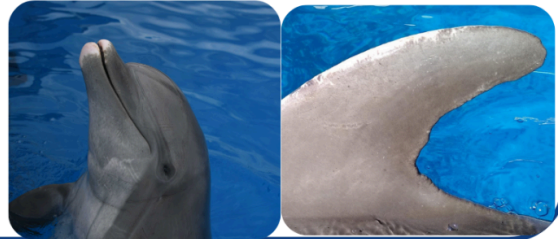
Guided Activity: See Schedule for Location & Times

Betty

Key Features: White markings along dorsal fin & tip of rostrum, tail flukes & dorsal fin featuring many notches

Relations: Mother of Dazzle & Grandmother of Casique

Motivated By: New things also known as Novelty



Briland

Key Features: Lighter in color dorsally, pink ventral side, hooked dorsal fin, and white on the dorsal fin

Born In: March

Motivated By: His Relationship with the Trainer



Casique

Key Features: Notch in tail fluke, long narrow rostrum, sloped melon, and lightning bolt-shaped markings on rostrum

Relations: Daughter of Dazzle and Granddaughter of Betty

Motivated By: A Football, considered Secondary Reinforcement



Dazzle

Key Features: "D" shaped notch in dorsal fin

Relations: Daughter of Betty and Mother of Casique

Motivated By: In water training sessions with a Trainer



Lightning

Key Features: Large tail flukes that curve upwards

Relations: Father of Miramar

Motivated By: Water-Work sessions

Fun Fact: Is our Oldest male at Marineland

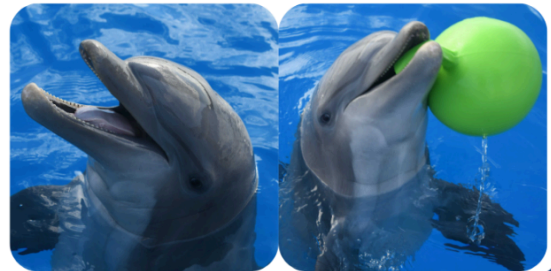


Miramar

Key Features: High contrast between dorsal coloration and ventral coloration with a short rostrum

Relations: Son of Lightning

Motivated By: Structured Training Sessions



Niele

Key Features: Zigzagged dorsal fin with white on it

Relations: No direct familial relations at Marineland at this time

Motivated By: Enrichment Rings



'Oli

Key Features: "Lasagna noodle" dorsal fin, large melon, and round body

Relations: Son of Sunny and half-sibling of Surge

Motivated By: Variability & New Learning



Shaka

Key Features: Zigzagged edge of dorsal fin, freckles, and the largest female

Relations: No direct familial relations at Marineland at this time

Motivated By: Her Relationship with her trainer



Sunny

Key Features: Longest of our dolphins, freckles, and a notch on his peduncle

Relations: Father of 'Oli and Surge

Motivated By: A fasted Paced Training Session



Surge

Key Features: Lower rostrum longer than top rostrum and lean body shape

Relations: Son of Sunny, half-sibling of 'Oli and Tocoli

Motivated By: New Learning



Tocoli

Key Features: Notch in upper dorsal fin and dark lines around her eyes

Relations: Half-sibling of Surge

Motivated By: New Learning



Zac

Key Features: Largest by weight, triangular dorsal fin, and darker in color

Relations: No direct familial relations at Marineland at this time

Motivated By: Food/Fish also known as Primary Reinforcement

