

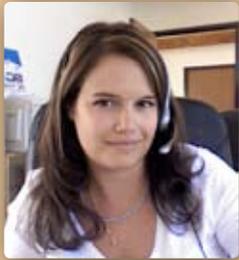
SCIENCETM
AT SEA
Steve Spangler Science

June 17-24, 2009
ALASKA



Steve Spangler - Science Skipper

One day everyone was sitting around the table and Steve said, "Let's do a class in Alaska..." The next thing you know, the Steve Spangler Science team and a whole bunch of teachers, with their families assembled for an experience of a lifetime. Steve scouted this very cruise two years ago (you know... someone just had to do it) in an effort to find creative ways for educators to take the beauty and the environmental science lessons back to their students. Thanks to an amazing staff, you're in for an unforgettable learning experience (and probably a few things that will need to remain on the ship!).



Carly Reed - Educational Cruise Director

When Steve comes up with an idea, things just don't happen without extremely talented people around the table. In her normal job, Carly is the "keeper of Steve" and the program manager for all Spangler events. If trash cans are exploding, Carly is one step ahead thinking about what to do when the police show up. This enormously talented young lady has worked tirelessly to make sure you have a wonderful Science at Sea experience. If you see her running around the ship looking for Steve, just remember... it's her job.

Jeff Brooks - First Mate and Camp Counselor

If something needs to be fixed, created, invented, changed, re-engineered or beamed to another planet, Jeff will come up with the master plan. Jeff works as the Chief Operations Officer at the Spangler playground and does a great job of making sure that everyone plays well together in the sandbox. That's why we appointed him to the team of prestigious "Camp Counselors" for Science at Sea. He and his team will make sure you have everything you need... and he makes an amazing chicken salad sandwich.



Gina MacDonald - Certified Travel Agent and Cruise Guru

The first phone call the Spangler team made after deciding to embark upon the Science at Sea experience was to Gina MacDonald. It doesn't matter if you have to travel by train, plane, automobile, boat or turbo-charged roller skates, Gina knows the secrets of the travel industry. If you need more dill sauce on your salmon, tough luck... ask your waiter. But if you need to solve a travel related problem, Gina is your person. We're excited to have her onboard as our own certified, floating, problem-solving, always smiling travel agent.

Brian Firooz - Walking Facebook Expert

From the moment you shake hands with Brian, you'll think that you've known him for years. He'll look you right in the eyes and say, "Audrey... it's so good to see you." Unfortunately, most people are not named Audrey, so you'll be confused at first. Give him a few minutes and a clear look at your nametag and you'll be friends for life. At Spangler Science, Brian heads up the Customer Service team and helps find the coolest science toys in the world. While onboard the Spirit, Brian will head up the "Camp Counselor" team and promises to organize fun games in the hallway... just like you did in college.



John Scheerens - Science at Sea Naturalist and King of Alaska

We're excited to introduce you to our naturalist, John Scheerens, who will participate in every aspect of the Science at Sea experience and provide us with his amazing insights and knowledge of this beautiful part of the country. If truth be told, John has never been to Alaska. We actually found him on Craig's List under home repair. It just goes to show you what a few books can teach you in a pinch. Okay, maybe that wasn't exactly true... John is considered the teacher of teachers in Alaska serving as the training consultant for most of the major tour companies throughout the state. John has been featured on ABC's 20/20 and his educational tours have received the highest praise among his peers. We cannot think of the better tour leader for our Science at Sea experience.



Julie Gintzler - Great Connector of Science & Children's Literature

What would Science at Sea be without a huge batch of slime connected to a great children's story? You're right... it would be boring. That's why we asked our resident Science & Literature expert to share a few of her great learning connections. Don't be surprised if one minute the pool is filled with water and the next minute the Lido deck is covered with 3,000 gallons of Insta-Snow. Julie brings a wealth of knowledge to this experience and promises to add her own fireball twist to the baked Alaska parade during dress-up night.



Bradley Mayhew - Lights, Camera, Action

If you hear someone yelling, "Hey, you're in my light!", you're in the presence of an amazing video journalist and all around nice guy. Bradley is the creative genius behind all of our YouTube videos. He's never afraid to take on another one of Steve's crazy ideas. Bradley has experienced the thrill of surviving a massive liquid nitrogen cloud explosion and the defeat of tiny ankle-biters hunting him down on the playground and tying his shoelaces together. Yet he lived to document the whole thing. Bradley is armed with lots of videotape and some of the most spectacular scenery a professional videographer could ever want.



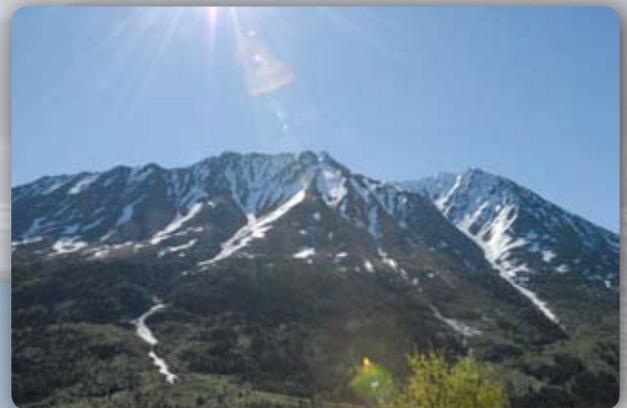


Travel to Whittier, Alaska (Prince William Sound)

- 10:00-11:00 a.m. **Welcome to Science At Sea**
Redington Room 3
- 11:00-12:15 p.m. **Lunch**
On your own for lunch in Anchorage. There are a number of restaurants close to the hotel.
- 12:15 p.m. **Meet in Front of Millennium Hotel**
Look for the big buses
- 1:00 p.m. **Bus Departs for Whittier**
- 1:00-3:00 p.m. **First Field Trip**
Get ready for a spectacular scenic ride down the Turnagain Arm through Potter's Marsh. If none of this means anything to you, just sit back and enjoy a region of the world that is guaranteed to knock your socks off. If you're really good and promise to use your indoor voices on the bus (and no one is caught throwing things at Steve or John), you might get to see a Beluga Whale eating a Dall's Sheep along the way (or maybe that's a Beluga Whale and a Dall's Sheep... not sure... but either way it could be interesting).
- 3:00-4:30 p.m. **Check-in with Carnival and Board the Ship**
- 4:30-8:15 p.m. **Explore the Ship and Get Settled**
- 7:30-8:30 p.m. **Introduction to the Nature of Alaska**
Theater
- 8:00 p.m. **Dinner**

Check your room key or stateroom paperwork for specific information about dinner times, attire and seating.

Be sure to read your Carnival Capers in your stateroom every night for additional information about scheduled entertainment for evenings and other happenings on the ship.



Day at Sea - Traveling to Sitka

5:30-8:00 a.m. **Science at Sea Lecture Series - College Fjord Inlet - Prince William Sound**
Location on deck to be announced

While in College Fjord we will gather on deck to view the magnificent tide-water glaciers. We'll discuss the famous "Harriman Expedition" that discovered College Fjord and named many of the glaciers. We will also point out various glaciers as we pass them and give some specific details about the glaciers as well.

9:30 a.m. **Entire Ship - General Boat Safety Drill**

10:30-11:15 a.m. **Science at Sea Lecture Series - Natural History of Alaska and the Inside Passage**
Shanghai Piano Bar

Introduction to the natural history process of coastal Alaska, including basic geological constructs, weather patterns, glaciers, flora & fauna and ocean process. This lecture will bring together the basic constructs of the incredibly complex natural history systems, which intertwine to make coastal Alaska and British Columbia look and act the way they do.

11:15-12:00 p.m. **Science at Sea Lecture Series - Rivers of Ice - How Glaciers Work**
Shanghai Piano Bar

This will be a slide lecture detailing how glaciers form, how they move, terminology and why glaciers are so important to climatologists. You'll hear information about glaciers and their relation to "global warming". We will reference details from the College Fjord experience earlier in the day.

12:00-1:00 p.m. **Lunch**

2:00-3:00 p.m. **Glaciers and Wildlife Presentation by Carnival's Naturalist**
Location to be announced

4:00-4:45 p.m. **Science at Sea Lecture Series**
Welcome to Sitka, Alaska
Shanghai Piano Bar

An introduction to your day in Sitka including a brief history of Sitka, Sitka today and a checklist of interesting places to visit during your free time on shore. Brief introduction of what to expect on the wildlife excursion. Question and answer session regarding disembarking for the first time and what to expect.

6:30 p.m. **Captain's Party - Optional**
Check Carnival Caper for location

7:15 p.m. **Science at Sea Group Picture**
Atrium Staircase - This is our only chance for a formal group picture. Since we're all dressed to the nines, meet at the staircase with a smile and a drink.

8:00 p.m. **Formal Dinner Night**



Exploring Sitka

7:00-8:00 a.m.

Breakfast

7:45 a.m.

Ship Arrival in Sitka

Ship will be anchored offshore

8:00 a.m.

Pre-Excursion Meeting

Shanghai Lounge

We'll be boarding our excursion boats directly from the ship - the crew puts down a swim step and the tour boat ties directly to the ship. We board directly off the ship. Following the excursion, the tour boat will bring us to the tender docks in town. This will allow us to take the tender boats back to the ship at our leisure.



8:30-12:15 p.m.

Science at Sea Excursion - Sea Otter & Wildlife Quest

John Scheerens will accompany the group on the wildlife cruise field trip as the on-board naturalist and will, of course, be available for any questions or discussions. In addition to making wildlife and natural history observations, have your cameras ready to capture amazing images of Alaska's wildlife.

12:00 p.m.

Lunch

On your own for lunch in Sitka or back aboard the ship.

1:00-6:00 p.m.

Explore Sitka

See John's Travel Guide

John will be available to give you recommendations on what to see and where to go as you explore Sitka.

6:15 p.m.

Return to Carnival Spirit

This is serious... The boat will leave you if you have not cleared security by 6:15. The ship comes equipped with a mobile TSA station, scanners, metal detectors, badges, batons and that shocking device. No kidding! Enjoy Sitka, but make sure you're onboard in time.



7:00 p.m.

Ship Sails for Juneau

7:00-9:00 p.m.

Cruising through Sitka Sound

Grab a drink and head out to your favorite deck to take in all of the beauty of Sitka as we set sail for our next location. John will be available on deck (not sure where... but listen for the sounds of ooohs & ahhs) as he shares some of the secrets of the Sitka Sound.

8:00 p.m.

Dinner

Please follow the attire guidelines that are provided each day in the Carnival Caper. We've been asked to remind everyone that jeans and t-shirts will not be allowed in the formal dining rooms.

Exploring Juneau

7:00 a.m.

Ship docks in Juneau

7:00-8:00 a.m.

Breakfast

8:30-9:00 a.m.

Science at Sea Lecture Series - Introduction to Juneau

Shanghai Piano Bar

9:00-12:30 p.m.

Science at Sea Excursion - Mendenhall Glacier & Gardens Tour

At Mendenhall Glacier, National Forest Service Rangers will be on hand to point out important details and answer questions as we walk through the park. The Glacier Gardens Rainforest has an exquisite atrium full of beautiful flowers in full bloom. Enjoy breathtaking views of the Gastineau Channel, Douglas Island, Auke Bay and more from the viewpoint of Thunder Mountain.



12:30-2:00 p.m.

Lunch

On your own for lunch in Juneau or back aboard the ship.

2:30-4:30 p.m.

Science at Sea Lecture Series - Optional

Guided Hike with John Scheerens

John will lead a hike up to Last Chance Basin. Explore the back country of Alaska on this optional walk with our Alaskan naturalist. Learn how to see Alaska from John's perspective. This is not a difficult walk. The walk is all on either paved or dirt roads, but some of the trail will be uphill.

Special Note

Dinner

You'll notice that you are not required to be back on the ship until 10:30 p.m. As always, you're welcome to come back onboard the ship for your normal dinner time. However, if you would like to stay out in Juneau (and even have dinner on your own in a local restaurant), you're welcome to do so. Please remember to be onboard the ship at the specified time below... or you'll get to explore Juneau for a much longer period of time.

Up Until 10:30 p.m.

Explore Juneau Nightlife

You're welcome to get on and off the ship at your leisure up until 10:30 p.m. Please remember that you will need to have your ship identification card in order to go through security to get back onboard the ship. This is your only chance to explore Juneau at night... so go ahead and take a night walk after a great dinner.

10:30 p.m.

Return to Carnival Spirit

11:00 p.m.

Ship Sails for Skagway



Exploring Skagway

7:00 a.m. **Ship docks in Skagway**

7:00-8:00 a.m. **Breakfast**

8:00-8:30 a.m. **Science at Sea Lecture Series - Introduction to Skagway**
Club Cool Lounge

Special Note

Passport Required

This excursion enters Canada. A passport or birth certificate AND Government issued ID are required for all U.S. and Canadian citizens. All non-U.S./Canadian citizens must carry a valid passport.

8:30-12:30 p.m. **Science at Sea Excursion - White Pass Rail & Klondike Highway**

Travel along the eastern side of the White Pass to the 2,885-foot summit, returning along the Klondike Highway via motorcoach. Board an old-fashioned parlor car and retrace the original route beyond the summit of White Pass, while learning about the history of the gold-rush era. Upon reaching Fraser, British Columbia, you will board a motorcoach for a journey down the west side of the White Pass Canyon.



12:30-1:30 p.m.

Lunch

On your own for lunch in Skagway or back aboard the ship.

1:30-4:00 p.m.

Explore Skagway

See John's Travel Guide

John will be available to give you recommendations on what to see and where to go as you explore Skagway.

4:00 p.m.

Return to Carnival Spirit

4:30 p.m.

Ship Sails for Ketchikan

8:00 p.m.

Dinner



Exploring Ketchikan

6:00-7:00 a.m.

Science at Sea Lecture Series - Optional

Deck Location to be determined

John will lead an early morning viewing on deck watching for marine mammals. There will be a strong possibility of viewing whales around Snow Pass.



7:30-8:30 a.m.

Breakfast

8:30-10:00 a.m.

Science at Sea Lecture Series - The Natural History of the Inside Passage - Part II

Versailles Lounge

We will finish our exploration of the natural history process of coastal Alaska and British Columbia discussing, in detail, plant communities, marine mammals, tides and ocean processes. In the end, we'll tie it all together with some parting thoughts. This is not a slide presentation but will have lots of visual aids.

11:00 a.m.

Ship docks in Ketchikan

11:00-12:30 p.m.

Lunch

On your own for lunch in Ketchikan or back aboard the ship.

1:30-5:45 p.m.

Science at Sea Excursion - Misty Fjords & Wilderness Explorer

The adventure begins as soon as you leave Ketchikan's picturesque harbor, passing by colorful fishing boats and float planes, en route to a wilderness experience you will never forget. Keep a sharp eye out for whales, porpoise and sea lions as the water jet-powered catamaran "flies" at sea level past rugged coastlines. Cruise south from Rudyard Bay to view a gathering of harbor seals. Ketchikan officials and John Scheerens have arranged for a custom, extended tour of the Misty Fjords.



5:45 p.m.

Explore Ketchikan

See John's Travel Guide

John will be available to give you recommendations on what to see and where to go as you explore Ketchikan.



7:30 p.m.

Return to Carnival Spirit

8:00 p.m.

Ship Sails for Vancouver

8:00 p.m.

Dinner

Day at Sea - Traveling to Vancouver

Day at sea traveling through Queen Charlotte Sound and the Inside Passage waterways of British Columbia, Canada.

7:00-10:00 a.m. **Breakfast**

10:00-12:00 p.m. **Science at Sea Lecture Series -
Whales, Whaling and the Last Shots of The Civil War**

Club Cool Lounge

Learn about how whales have been so instrumental in the history and economy of Alaska, both in the "grand old days" of whaling and even today. This is a fun look at what commercial whaling meant to the US in its early years. You'll be fascinated to learn how whaling may have influenced the outcome of the American Civil War and how the oil from whaling days ties into oil production as we know it today.

12:00-1:00 p.m. **Lunch**

1:00-3:00 p.m. **Questions and Answers Session with the Science at Sea Staff**

Club Cool Lounge

This time is reserved for an open discussion where you can ask questions about anything regarding Alaska or Science at Sea.

Throughout the Day **Disembarkation talk in lounges**

8:00 p.m. **Formal Dinner Night**



Disembarkation - Travel Home

7:00 a.m. **Arrival in Vancouver**
Disembarkation

