



UK

Bolney Place, Cowfold Road
 Bolney, West Sussex RH17 5QT
 Tel: 01444 810399
 info@visionsineducation.co.uk
 visionsineducation.co.uk

USA

South Business 65, Box 813
 Hollister, Missouri 65673
 Tel: 802.239.3010
 info@visions-in-education.com
 visions-in-education.com

Tour: Capital STEM
Destination: WASHINGTON, DC
Specialization: Natural History, Biology, Animal Science, Physics, Space Science, Anthropology, Technology, History & ethics
Itinerary: 6-days / 5-nights in destination

Capital STEM / Washington DC - Sample Itinerary					
Day	Morning	Afternoon	Evening		
1	Travel to Washington DC; Guided City Tour, Hotel Check-In, Visions Welcome & Safety Meeting, Dinner				
2	National Geographic Museum	Smithsonian's Museum of Natural History + Master Class	Marian Koshland Science Museum + Master Class	Dinner & Free Time	
3	Smithsonian's Udvar-Hazy Center - Highlights Tour + Master Class	National Air & Space Museum + Specialization Tour	Potomac River Cruise - Washington Monuments	Dinner & Free Time	
4	The National Aquarium + Master Class	Baltimore's Inner Harbor - Free Time for Exploration	Medieval Times Dinner Theatre		
5	International Spy Museum + 2 Master Classes		Newseum + Master Class	Dinner	Guided Illuminated Driving Tour - Evening Monuments
6	Free Time in City		Depart for Home		



Specialists in STEM Student Travel

As with all sample itineraries, please be advised that this is an 'example' of a schedule and that the activities and hotels shown may be variable dependent upon dates, weather, special requests and other factors. Itineraries will be confirmed prior to travel.



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Day 1
Dinner

Washington DC.... Chosen by George Washington for its tactical location between the South and the North, and for its accessibility to the sea via the Potomac River, the capital of the United States is situated in a district specifically created to avoid the establishment of the capital city in any one state. Washington, DC (District of Columbia) with its low-profile skyline, is a city of green parks and open spaces, grand buildings, historic landmarks, marbled monuments and impressive museums, with character-filled neighbourhoods that support a thriving cultural scene with scores of top-notch restaurants, shops and night time entertainment.

This thriving cosmopolitan city is an international hub of power and diplomacy, representing all the democratic ideals that the country takes pride in. After politics, tourism is the capital's main industry. The city plays host to millions of people annually who come to explore famous sights such as the domed US Capitol, the stately White House, Lincoln Memorial and the soaring Washington Monument. The most well-known sights are located along the National Mall, a green park stretching from the US Capitol to the Lincoln Memorial on the Potomac River, and include several memorials to great US presidents of the past, as well as the outstanding museums of the Smithsonian Institute.



With its impressive monuments and museums, its stately government buildings and mansions, Washington DC is easily recognizable as the United States' capital city. Washington DC is the second most visited city in the United States (after New York) and is among the top travel destinations in the world.

It's impossible to list all of Washington's must-see sights but certain places simply cannot be missed. The Smithsonian Institution provides something of interest for every visitor, from the arts to aerospace engineering and everything in between. Beyond the majesty of the National Mall, plenty of lesser-known DC institutions lie a bit off the beaten track. Changing administrations make for prevalent transience (it's actually quite difficult to find many people in DC who are born-and-bred natives), yet there are certain venerable city establishments that stand the test of time. And Washington continues to grow and evolve – visitors can sample exquisite Ethiopian cuisine in the city's revitalized U-Street Neighbourhood, wander through small, privately owned art galleries in Dupont Circle, or sip ale at Columbia Height's new Commonwealth Pub.

One of the many things that DC has in its favour is that it's a very walkable town, so visitors can fill their days with activities in several different neighbourhoods without traveling unreasonable distances. And Washington is imminently family-friendly, with plenty of events and activities that will please students of all ages.

Did you know?

- ✓ The Washington Monument is DC's largest building - it's roughly a tenth of a mile high.
- ✓ The "DC" in Washington DC stands for "District of Columbia". The phrase "taxation without representation", often heard here, is based on the fact that DC, not being a state, doesn't have any representation in Congress.
- ✓ The District of Columbia was named after the great explorer Christopher Columbus.
- ✓ DC is a very international city, home to more than 170 embassies and international cultural centres. The city's colleges and universities host about 20,000 international students each year, and 15% of DC residents speak a language other than English at home.
- ✓ The Capitol Dome took 11 years to build. On top of the dome is the "Statue of Freedom," which may look small, but it's actually 19 feet, 6 inches tall and weighs approximately 15,000 pounds.
- ✓ Washington is continually ranked in the top 10 Most Walkable Cities in the USA.
- ✓ L'Enfant Plaza, in the Southwest quadrant of the city, is named after Pierre L'Enfant, who is credited with creating Washington's first planned street layout in the late 18th century.
- ✓ The word "lobbyist" became popular with President Ulysses S. Grant's disdain for the interest groups who bothered him while he relaxed in the lobby of the Willard Hotel.
- ✓ Gallaudet University began the tradition of the football huddle in the 1890s in order to conceal their signed plays from the opposing team.
- ✓ The U.S. government is based in DC, but the city is run by a mayor and the city council. The mayor and the city council members are elected to four-year terms.

Groups participating in Visions' Capital STEM will generally arrive Washington DC in the afternoon. Upon arrival, we'll meet our special DC Guide and get an introductory look at this awesome city:

Washington DC City Tour – Groups will enjoy a private tour of Washington complete with a DC-licensed tour guide who will give a narrated commentary to all the great sites and monuments. Prior to travel, Party Leaders may opt to request specific sites to include if preferred. Groups may feel free to hop-on and hop-off at will to get a closer look. This 4-hour tour opportunity includes:

- Drive by of Washington Monument
- Lincoln, Vietnam Veterans, National WWII & Korean War Veterans Memorials
- Arlington Cemetery—Tomb of the Unknown & Kennedy Graves

After our city tour, we'll transfer to our hotel for check-in. After our Visions Welcome & Safety Meeting, we'll have a local dinner.



Sample Hotel - Holiday Inn Express Alexandria (or similar) - The Holiday Inn Express Hotel and Suites Alexandria is in the heart of Alexandria, Virginia and features 86 guest rooms and suites. Students will sleep four-to-a-room while teachers sleep two-to-a-room. Resort amenities include 24-hour staffing, business centre, complimentary high-speed Internet access, health and fitness centre with whirlpool, guest laundry facilities, ATM, convenience purchases and safety deposit boxes. Room amenities include 32-inch LCD TV with cable channels, complimentary local phone calls, hair dryers, coffee and tea makers, microwaves, mini-refrigerators, individually controlled air conditioning units and irons/boards.



Day 2

Breakfast & Dinner

Rise and shine Washington! Today is the day to delve into science! After breakfast at our hotel, we'll head out to the National Geographic Headquarters Museum!

National Geographic Museum - Experience all that National Geographic has to offer in one location. See the world through the eyes of an explorer, learn about the cutting-edge technologies being used to protect and explore our planet, and take in exhibitions showcasing the work of award-winning and world-changing photographers and scientists—all at National Geographic headquarters in Washington, D.C.



National Geographic has made its home in Washington, D.C., since 1888. At the National Geographic Museum, groups will enjoy a wide variety of changing exhibitions that reflect the richness and diversity of our world. The Museum's exhibitions and the scientific fieldwork and expeditions on which they are based are supported by National Geographic's Mission Programs, which receives generous funding by corporations, foundations, and individuals. www.nationalgeographic.org/dc

Afterwards, we're off to the Smithsonian's Museum of Natural History!

The Smithsonian Institution National Museum of Natural History – The National Museum of Natural History is part of the Smithsonian Institution and houses a national collection of more than 125 million natural science specimens and cultural artefacts. The museum is dedicated to understanding the natural world, and our place in it and includes exhibits ranging from the earth, the diversity of life, and the human connection. This museum is also a research facility dedicated to inspiring discovery about the natural world through its exhibitions and education programs. The museum is one of the most visited attractions in Washington, DC and is a favourite with students, but has plenty to



intrigue all ages. Popular displays include dinosaur skeletons, an enormous collection of natural gems and minerals including the 45.5-carat Hope Diamond, artefacts of early man, an insect zoo, a live coral reef, an IMAX film theatre and much more. The Mammal Hall is devoted to mammal and human diversity, evolution and adaptation. <https://naturalhistory.si.edu>

Our day will include museum entry with time to browse plus a specialized educational program of your choice. Programs must be selected in advance of travel and are based on availability. **Some workshops may not be available during summer months.**

<u>ONSITE PROGRAM</u>	<u>SUBJECT AREAS</u>
Bird Strike Whodunit?	Biology, Environmental Science, Ornithology
Dig Deep	Geology, Earth Science
Forensic Mysteries - A Grizzly Discovery	Anthropology, Forensic Science
Forensic Mysteries - Mystery at Yorktown Creek	Anthropology, Forensic Science, Social Studies
Q?rius Collections Challenge	Biology, Ecology, Life Science, Social Studies

Workshop Options:

Bird Strike Whodunit? (20 to 35 students)

During take-off from Reagan National Airport, a plane collided with a flock of birds and was forced to make an emergency landing. During this staff-led program, students will follow in the footsteps of Smithsonian scientists to determine the species of bird that brought down the airplane by examining bird fragments and feathers collected from the affected aircraft, and simulating processing DNA. Students will learn how bird strike data is used by airport managers to alter airfield habitats, and debate proposed methods of discouraging bird congregation around airports.

[Read Blog Post About Bird Strike Whodunit?](#) | [Related Video: Forensic Ornithologist Carla Dove](#)
[DOWNLOAD FIELD TRIP GUIDE](#) | [GET TEACHING RESOURCES](#)

Dig Deep (20 to 35 students)

How do geologists know what lies beneath the earth's surface? During this staff-led program, students will collaborate and compete with their classmates to identify the most efficient way to find iron ore by learning to read the stories of rocks. Students will develop skills used by Smithsonian scientists to identify geologic features in rocks, interpret geologic maps, piece together drill cores, and model how tectonic forces deform rocks. After honing their geologic skills, they will compete in groups to see who can most accurately find the extent of the natural resource.

[Read Blog Post About Dig Deep](#) | [DOWNLOAD FIELD TRIP GUIDE](#)

Forensic Mysteries - A Grizzly Discovery (20 to 35 students)

A group of hikers stumbled across what looks like human remains. Have they found a crime scene or could there be another explanation? During this staff-led program, students will examine real human bones, objects and artefacts using the forensic tools and techniques of Smithsonian scientists to determine age, sex, time since death, and maybe even cause of death.

[Read Blog Post About A Grizzly Discovery](#) | [Related Video: Anthropologist Kari Bruwelheide](#)
[DOWNLOAD FIELD TRIP GUIDE](#) | [GET TEACHING RESOURCES](#)



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Forensic Mysteries - Mystery at Yorktown Creek (15 to 35 students)

Erosion along a creek bed produces a startling discovery – a human skeleton! Before the clues are washed away forever, students will get the chance to examine the evidence collected by the archaeologist during this staff-led program. Using the forensic tools and techniques of Smithsonian scientists, they will study the human bones and artefacts found with the skeleton to determine who this person was, when they lived, and what their life might have been like. Uncover the mystery of a person whose burial could turn out to be over 200 years old!

[Read Blog Post on Mystery at Yorktown Creek](#) | [Related Video: Anthropologist Kari Bruwelheide](#)
[DOWNLOAD FIELD TRIP GUIDE](#) | [GET TEACHING RESOURCES](#)

Q?rius Collections Challenge (20 to 35 students)

The Q?rius Collection Zone includes 6,000 natural history objects, all accessible for student exploration in this staff-led program. Working in teams, students will receive a Collections Challenge Card, which assigns them to work in one of the Museum's departments: Anthropology, Botany, Entomology, Invertebrate Zoology, Paleobiology, Mineral Sciences, or Vertebrate Zoology. Like scientists and collections managers at the Museum, students will follow protocols for handling valuable and sometimes delicate objects and agree upon a strategy to curate and interpret a collection of their own while engaging in the scientific method.

[Read Blog Post on the Q?rius Collections Challenge](#) | [DOWNLOAD FIELD TRIP GUIDE](#)
[TEACHING RESOURCES](#)

Afterwards, we're off to visit the Marian Koshland Science Museum.

Marian Koshland Science Museum - Opened to the public in April 2004, the Marian Koshland Science Museum uses engaging, interactive exhibits to bring to life current science that impacts people's lives today. The museum is not a collection of artefacts; rather it presents scientific data and explanations so that students can make decisions about vital public policy issues based on the information they acquire.
www.koshland-science-museum.org



WHAT IS THE KOSHLAND SCIENCE MUSEUM? The museum invites guests to interact with today's issues in a thought-provoking setting. The museum encourages students to use science to solve problems and engage in stimulating conversations. Rather than looking at artefacts and static exhibits, students interactively explore current science that is timely, relevant, and has the potential to shape national policy.

The Koshland Science Museum's exhibits are based on research and findings of the National Research Council, an independent non-profit organization that advises the nation on critical science policy issues. The museum has received national and international attention for its innovative and content-rich multimedia exhibits and programs.

The Koshland Science Museum is named after Marian Koshland, an immunologist and molecular biologist who conducted ground-breaking research on the behaviour of antibodies and a member of the



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National Academy of Sciences. The museum was founded by her husband, Daniel Koshland, a molecular biologist who specialized in the study of enzymes and bacteria and was also a member of the Academy.

THE MUSEUM'S EXHIBITS:

Idea Lab is a space that experiments with new approaches to the museum experience. The current focus is on community resilience, our ability to come together to prepare for, absorb, recover from, and adapt to adverse events. The exhibit includes interactive resources, videos, and a jumbo jigsaw puzzle.

Life Lab explores the science of healthy living and how the brain works. The exhibit features a driving simulator, interactives on healthy eating at all ages, explorations of the biological basis of learning and cognitive development, a Kinect-based aging simulator, and other games and information.

Earth Lab uses interactive displays to help students find answers to their questions about recent climate change, explore the vulnerabilities and impacts of climate change, and gain a greater understanding of how to mitigate future climate change and adapt to its effects.

While here, groups will participate in a Master Class, selected prior to travel. Students will use the Jigsaw method, in which your class is divided into smaller groups as they simultaneously visit different exhibits within the museum. Curriculum allows students to become “experts” as they seek out information to be shared with their classmates during small-group and whole-class discussions. Workshops also encourage students to collaborate in evaluating evidence and formulating ideas, much as scientists do in their daily work. By giving students a chance to see the “textbook” facts that they have been learning about in class, ideas come to life as they discuss the real, world issues surrounding global warming or infectious diseases.

Prior to travel, Trip Leaders will select one Master Class option from the two listed below. To review teacher resources, review <https://koshland-science-museum.org/explore-the-science/teach>.

Earth Lab: Degrees of Change - A field trip with an Earth Lab focus is designed to last about two hours. The overall objective is to discuss how our actions impact the changing climate. Through a combination of hands-on activities, exhibit exploration, and discussion students will explore:

- Changes and trends that provide evidence that our climate is changing
- Major sources of carbon dioxide
- Examples of the impacts of climate change
- Ways to mitigate carbon dioxide emissions

[Earth Lab Pre/Post Visit Activities](#)

Life Lab - A field trip with a Life Lab focus is designed to last about two hours. The overall objective is to discuss how our choices, genetic predispositions, and environment interact and influence human development. Through a combination of hands-on activities, exhibit exploration, and discussion students will explore:

- Cognitive and physical development at different life stages
- The physical effects of aging
- Changing demographics over time and how they will affect our country
- How memories are formed, and where in the brain different stages occur
- How life decisions can influence healthy aging and brain growth

[Life Lab Pre/Post Visit Activities](#)

After our day of learning, we'll have dinner locally and then the evening is free for investigation and fun! Maybe a quiz, a walk, or swimming!



Day 3

Breakfast & Dinner

Rise & shine Washington! Today is a day of discovery. After breakfast in our hotel, we'll transfer to a specialized area of the Smithsonian's National Air & Space Museum called the Udvar-Hazy Centre, located in Chantilly, Virginia.



Udvar-Hazy Centre, Chantilly, Virginia – Located next to Dulles airport, the second of the National Air and Space Museums is big in both physical size (70,611 sq m/760,057 sq ft) and exhibits. It is home to 140 one-of-a-kind or historically significant planes and spacecraft. Visitors can view the Space Shuttle Enterprise and space capsules as well as such goodies as the Concorde, the Enola Gay (the plane that dropped the atom bomb) and the Lockheed SR-71 Blackbird, a high-speed, high altitude reconnaissance aircraft from the ground level, or on 'skywalks' and bridges. On the far side of the museum is an observation tower with a 360-degree view that includes the Blue Ridge Mountains, Dulles Airport and the surrounding area. The museum's IMAX theatre features movies about flight and space (at additional cost of approximately \$9 USD per person).

<http://airandspace.si.edu/visit/udvar-hazy-center>

Upon arrival, we'll get to participate in a museum tour plus one Master Class option. Choices are:

Mission to Mars - Duration: 60 minutes

From Mariner's first pictures of Mars in 1964 to Curiosity's landing in August 2012, humans have been on a quest to learn about the Red Planet. Students will explore the climate and geology of Mars, along with the challenges of robotic exploration in space. They will work as mission design teams and use budget and science guidelines from NASA to create a spacecraft to fly to Mars.

Forces of Flight - Duration: 60 minutes

The first successful flight by the Wright brothers in 1903 inspired future generations to learn more about the forces of flight. Students will discover these forces — weight, lift, thrust, and drag. Demonstrations and activities will bring to life the principles of gravity, air pressure, and air resistance, as well as Newton's Third Law. Students will work in groups to design, build, and test a simple propeller using the scientific inquiry model.

In the afternoon, we'll travel back to DC and to the Smithsonian Institution's National Air & Space Museum.



Smithsonian Institution's National Air & Space Museum - Experience the history of flight at one of the world's most visited museums - from the plane flown by the Wright brothers to the Apollo 11 command module. Features include an incredible collection of aviation and space technology treasures. <https://airandspace.si.edu>

While here, we'll have an opportunity to participate in specialized tour. Please be advised that some tours are only available on specific days. If you would like to request a specific tour, please let us know and we will be happy to try to reserve this. Groups may choose from:



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African Americans in Air and Space History

Explore the challenges and successes of the African American pioneers who joined the growing fields of aviation and space from the 1920s to the present. See a P-51 fighter aircraft and hear tales of the Tuskegee Airmen who flew these fighters during World War II. [Black Wings Exhibition](#)

Exploring Space

Study such spacecraft as the Apollo 11 command module and the Skylab Orbital Workshop and examine the technology and scientific advances that have expanded our horizons.

[Destiny in Space Teacher Guide](#) and [Poster; Explore the Universe Exhibition](#)

Exploring the Universe with Telescopes

Discover a new way of looking at the universe by exploring how telescopes have expanded our view of the heavens from Galileo to the Hubble Space Telescope.

[Destiny in Space Teacher Guide](#) and [Poster; Explore the Universe Exhibition](#)

History of Flight

Trace the development of flight from early balloons to modern spacecraft by focusing on some of the world's most famous aircraft and spacecraft, as well as the people who flew them.

[Boeing Milestones of Flight Hall](#), [Space Race](#) & [From Airmail to Airlines Teacher Guide](#)

In the late afternoon and early evening, we're off for a cruise on the Potomac River!

Potomac River Cruise - Behold the splendour of America's monuments and the city of Washington aboard a narrated cruise on the Potomac River. Cruise highlights include Washington's majestic monuments, landmarks, buildings and bridges — the Lincoln Memorial, the Jefferson Memorial, the Washington Monument, and the John F. Kennedy Centre for the Performing Arts, to name a few. Depart from the quaint and historic seaport of Old Town Alexandria with its cobblestone streets or world-famous Georgetown with its upscale shops, pubs, and restaurants. Each leg of the cruise is approximately 45 minutes long and the narration is divided evenly between the two departure locations.

www.potomacriverboatco.com/monuments-cruise.php



After our cruise, we'll have dinner and then head back to our hotel for a great night's rest.

Day 4

Breakfast & Dinner

Good morning Washington! After breakfast at our hotel, we'll transfer to Baltimore and the National Aquarium.

The National Aquarium – The National Aquarium in Baltimore, Maryland features over 10,500 marine animals, representing 600 different species of mammals, fish, birds, reptiles, and amphibians, in naturalistic habitats. Schools of brightly coloured reef fish swim by, dolphins breach the air in majestic arches and Sharks glide silently through the shadows. A special 225,000-gallon exhibit allows you to be



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encircled by sand tiger, lemon, nurse and sandbar sharks. A second tank features smaller sharks swimming among graceful stingrays. Walk through the amazing Amazon Rain Forest! <https://aqua.org>



While here, students will be able to participate in a Master Class (*available weekdays only; September through May*) from which teachers will select prior to travel out of the following options:

Squid Dissection Lab - Investigate an unusual mollusk through discussion and dissection. Discover how form and function of the squid's basic anatomy help this efficient predator survive in the ocean.

Behind the Scenes Tour - Designed for advanced high school biology groups, the tour emphasizes water chemistry, animal care, exhibit maintenance, and aquarium careers. Walk through the back-up areas to experience new sights, sounds and smells!

Phylum Lab - Did you know that 98 percent of all animals are classified into eight main categories called phyla? Investigate the characteristics of each phyla through live animals and artefacts.

Marine Biology Career Discussion - So you want to be a Marine Biologist? From dolphin trainers to exhibit designers, and aquarists to educators, the Aquarium offers opportunities for just about everyone. Learn about different career paths, job market potential, education and qualifying experience requirements from those in the work force.



Afterwards we'll enjoy free time at the Inner Harbour of Baltimore.

Baltimore's Inner Harbour - From family-friendly museums and restaurants that satisfy every palate, to exciting cultural experiences and spectacular people-watching, Baltimore's Inner Harbour offers more to see and do than you can imagine. <http://baltimore.org/article/baltimore-inner-harbor>

Things to do around Baltimore Harbour (at additional cost):

Take a Cruise on the Bay with Watermark - Cruise the Inner Harbour and beyond on the 65-foot BIG RED BOAT. Choose from daily, 45-minute narrated cruises.

Get in the Spirit with Baltimore Spirit Cruises - The Inner Harbour Spirit offers interactive, narrated 50-minute sightseeing tours of Baltimore from April to October offering an insider's view of the famous Inner Harbour.

Visit the Maryland Science Centre - Let your senses and mind wander as you explore numerous hands-on activities. Featuring an IMAX theatre and planetarium, it's sure to please all visitors. Don't Miss the exhibit 'Science & Main' that takes you past Baltimore landmarks as you learn how science interacts with your everyday life.



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Take in Breath-taking Views from the World Trade Centre - The World Trade Centre in Baltimore offers the best view of the city in every direction from the “Top of the World” Observation Level on the 27th floor.

Explore the Inner Harbour’s Historic Treasures - Be sure to witness the Historic Ships in Baltimore by touring the USS Constellation, the USS Torsk, the USCGC Taney, the Lightship Chesapeake and more. Learn about the role these vessels played during various battles in American history.

Visit Fort McHenry National Monument and Historic Shrine - At Fort McHenry, you can learn about the Battle of Baltimore and the birth of the "Star Spangled Banner," and experience events like living history weekends, where the Fort McHenry Guard performs demonstrations — all just a water taxi ride away from the Inner Harbour.

Discover the Unexpected at Ripley’s Believe It or Not! - The only place in Baltimore where you’ll find shrunken heads, a 12ft tall Transformer sculpture made of scrap car parts, the Fiji island mermaid, one-of-a-kind artwork, tons of hands-on interactives and sculptures made from matchsticks.

Shopping at Harbourplace and The Gallery - Located in the heart of the Inner Harbour on Pratt Street, Harbourplace and The Gallery offer unique shopping, diverse dining and a variety of entertainment right on the picturesque waterfront.

Get Around the Inner Harbour on the Baltimore Water Taxi - For ideal transportation in and around Baltimore's Inner Harbour, the water taxi is an affordable solution. One price buys unlimited rides for the day and group discount rates are available. Ticketing is located on Lancaster Street.

Dine in Style at Baltimore Inner Harbour Restaurants - Elegant gourmet cuisine, ethnic foods from around the world and plenty of fresh seafood from Maryland's Chesapeake Bay can be found at the many restaurants.

After our day discovering Marine Biology, we’ll head for a very fun evening at Medieval Times!



Dinner at Medieval Times – Travel through the mists of time to a forgotten age and a tale of devotion, courage and love—at Medieval Times Dinner & Tournament. Imagine the pageantry and excitement that would have been yours as a guest of the king ten centuries ago. That’s exactly what you will experience at North America’s most popular dinner attraction. See the electrifying show featuring heroic knights on spirited horses displaying the astounding athletic feats and thrilling swordplay that have become hallmarks of this unique entertainment experience. Enjoy a “hands-on” feast as the dynamic performance unfolds before you. A sweeping musical score and brilliant lights provide a fabulous backdrop for this spellbinding experience that blurs the boundary between fairy tale and spectacle!

Medieval Times is celebrating its 30-year reign in North America. Our founders first launched their unique idea for an 11th century-style dinner attraction on the Spanish island of Majorca in 1973. This imaginative new entertainment spot was inspired by the true medieval tradition of royal families inviting guests to a festival and feast to watch knights compete on horseback.



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Diners will enjoy Garlic Bread, Tomato Bisque Soup, Oven-Roasted Chicken, Spare Ribs, Herb-Basted Potato, Pastry and select beverages. Vegetarian options are available upon request.
<http://www.medievaltimes.com/baltimore.aspx>

Day 5

Breakfast & Dinner

Good morning Washington! After breakfast in our hotel we will start our day of adventure by driving by Embassy Row to spot all the country flags adorning the streets.

Embassy Row - After the Civil War, the powerful and socially elite built large mansions along Massachusetts Avenue. After the Great Depression, many of the families who built these homes went broke. Today, the area is known as Embassy Row. Embassies, associations, foundations, and clubs have claimed and restored these lovely homes.



International Spy Museum – The International Spy Museum provides a unique glimpse into the innovative world of espionage and its impact throughout history and present day. The state of the art exhibits include artefacts and spy stories from all over the world. All is not what it seems at one of Washington's most fun museums! Through multimedia presentations, hands-on exhibits and audio-visual effects, the focus is on educating the public about espionage's impact on current and historic events. Spy paraphernalia such as decoder machines, miniature cameras, a lipstick pistol and even James Bond's Aston Martin with machine gun headlights are on display. Each period of espionage history is showcased in an appropriate setting: Mata Hari and the Sisterhood of Spies are set in a boudoir; a European farmhouse documents the activities of the OSS (the Office of the Strategic Services, the forerunner of the CIA), and a fallout shelter chronicles the Cold War. www.spymuseum.org











THE EXPERIENCE - Memorize your cover identity and get ready to explore the Museum's *School for Spies* gallery in which over 200 spy gadgets can be discovered. Students can also test their spy skills at interactive stations that explore disguise, surveillance, observation, and analysis. In themed exhibition galleries, students explore over 2,000 years of the *Secret History of History*, from spies of ancient times through the Cold War and into the 21st Century. Finally, students examine the impact James Bond has had on public perception of the real world of intelligence in the Museum's newest exhibition *Exquisitely Evil: 50 Years of Bond Villains*. Discover how each villain provides a window into the real world threats and fears of recent history.

While there, students will participate in two specialized workshops. Teachers will select from the list below:




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STUDENT WORKSHOP MATRIX

WORKSHOPS										
Cuban Missile Crisis	●	●		●	●		●	●	●	●
Operation Code Cracker					●	●	●	●	●	●
Spy Science			●		●		●	●	●	●
Operation Spy		●	●	●			●		●	
Spy's Eye View	●	●		●				●	●	●
Secret History	●	●	●	●	●	●	●	●	●	●
Red, White & Spy		●		●		●	●		●	●
Spy School 101		●	●	●			●	●		●
Forensics			●		●		●		●	

 Cold War

 US History/Government


 Science & Technology



 World History

 Math

 English Language Arts

 Decision Making / Conflict Resolution

 Virtual Field Trip

 On-site  Off-site

Cuban Missile Crisis Simulation (60-minutes)

Heat up your Cold War lesson by participating in a case-based simulation. Do your students have what it takes to avert a nuclear catastrophe? This classroom simulation places students in the role of CIA intelligence analysts in October 1962. By analysing declassified primary documents and surveillance photos from U-2 spy planes, students advise President Kennedy of the "ground truth" at each stage of the Crisis. Can sources be trusted? The outcome is in their hands.

Cold War | US History/Government | World History | Math | Decision Making/Conflict Resolution

Operation Spy: Student Adventure (90-minutes)

Do your students have what it takes to be a spy? In an action-packed hour, students travel to the fictional foreign country of Khandar (in a fully-themed environment) where they play the role of US intelligence officers on a high-stakes mission. A n interactive classroom debrief will provide insight into the real world of intelligence.

US History/Government | Science & Technology | World History | Decision Making/Conflict Resolution

The Spy's Eye View (30-minutes)

Give your students the opportunity to "interrogate" a former CIA Case Officer. Students discover the secret world of spying in a private briefing with a former CIA Case Officer. In this 30-minute program, students learn about the life of an intelligence professional, how intelligence is collected and analysed, and its role in American government. Students also have an opportunity to "interrogate" the speaker.

Cold War | US History/Government | World History

The Secret History of History (30-minutes)

Working on a special class project? History Day coming up? This is an opportunity to have your students dig deeper into the Secret History of History. In this completely customizable program, students and educators are invited to share their projects with the Museum's experts. Discovering the critical role of intelligence enables students to gain a deeper understanding of decisions, outcomes, and actions that have changed the course of history.

Cold War | US History/Government | Science & Technology | World History | Math | English Language Arts | Decision Making/Conflict Resolution

Forensics of Espionage (60-minutes)

Students become forensic scientists in this case-based scenario workshop. Using real FBI forensic equipment and tools, students will examine evidence, make recommendations, and use the scientific method to attempt to determine the identity of a double agent.

Science & Technology | Math | Decision Making/Conflict Resolution

After we learn how to become spies, we're off to the Newseum.

Newseum – Dedicated to free press and free speech, the Newseum is an interactive museum of news that takes you behind the scenes to see and experience how and why news is made while showcasing the history of news gathering. The displays include a video wall of live news broadcasts from around the world. Here visitors have the opportunity to anchor a news program, an exhibit especially popular with students. Interactive displays are the rule here, but there is much to see in a variety of dynamic formats. Visitors can visit more than a dozen galleries to learn the history of news and how the past century's important world events have been reported. A broadcast studio, an interactive newsroom and the largest section of the Berlin Wall outside of Germany along with one of the two surviving 'Checkpoint Charlie' towers are exhibits worth exploring. www.newseum.org

While here, students will participate in a specialized Master Class which the Tour Leader will select prior to travel. Programs are approximately 50-minutes and are educator-led class experiences. Tour Leaders will select one program out of the following three options:

Fighting Fake News: How to Outsmart Trolls and Troublemakers

Can you navigate the flurry of fake news and strike a balance between being a cynic and a sucker? Get the tools you need to stay ahead of online tricksters and trolls – and help combat the fake news cycle. In this class, students dive into the complexity of digital citizenship, including their active role in the flow of information. They'll examine case studies that bring to life the challenges of today's media landscape and leave with easy-to-implement strategies for staying a step ahead.

- What does "fake news" mean?
- Why should students care what's real and what's not?
- How can you tell what to trust when the motivations behind news stories aren't always clear?

On the Campaign Trail: The Battle for Votes

Candidates know that it's not just what you say, but how you say it. In every election season, the candidates and supporters compete to shape viewers' opinions and garner their votes. Examine historical and contemporary campaign ads, learn how to navigate conflicting messages and leave empowered to separate fact from fiction.

The EXPRESSway

Celebrate freedom of expression in this semi-guided museum experience. This program combines individual exploration, hands-on interaction and customized keepsakes. The EXPRESSway is a semi-guided museum experience that gets students out of the classroom and into the exhibits to explore the power of the First Amendment — and inspires participants to use their own freedom of expression. After a group welcome and short film illustrating contemporary uses of the First Amendment, participants explore free expression highlights throughout the museum. The program culminates with a visit to The Ink Tank, a pop-up shop where participants customize their own free expression artefacts including magnets, pins, bumper stickers, buttons and slap bracelets. The program is suitable for all ages. Whether your participants are studying civic participation or just looking for a fun, new way to see



the Newseum, the EXPRESSway can be customized to meet your group's objectives. (Additional merchandise - ex. tote bags, water bottles - available for an additional fee.)

After a local dinner, this evening we'll re-board our bus for a Guided Illumination Tour of the Washington Monuments.



Evening Illumination Tour - The illuminated tour provides a unique perspective to visitors as they witness DC by night. When the museums and other attractions close for the evening, a DC-licensed tour guide will show your group the memorials in their splendour. 3 to 3.5-hours in length.

- Lincoln Memorial
- Jefferson Memorial
- FDR Memorial
- Iwo Jima Memorial
- WWII Memorial
- Kennedy Centre
- Drive by Capitol & White House
- Martin Luther King Jr. Memorial

Day 6

Breakfast

Rise & shine Washington! After breakfast in our hotel we will formally check-out and prepare for departure. We'll start to say goodbye to this wonderful city as we wave goodbye to our new friends, taking away memories that will last a lifetime.

Note: If your flight is not until later in the day and your desire extra motorcoach hours, please let us know your needs and we'll be happy to get the associated costs for your perusal.



CAPITAL STEM – WASHINGTON DC

Minimum Booking Numbers:

20 students

What's Included:

Roundtrip flights or motorcoach transportation
5-nights' accommodation in destination
Breakfasts & dinners daily; starting with dinner on your night of arrival and ending with breakfast on your day of departure
Washington DC airport transfers + transportation to activities shown in itinerary
Guided City Tour excursion with a DC-licensed guide
Excursion to the National Geographic Museum
Excursion to Smithsonian's Natural History Museum + included Master Class
Excursion to the Marian Koshland Science Museum + included Master Class
Excursion to the Smithsonian's Udvar-Hazy Centre + Guided Tour + included Master Class
Excursion to Smithsonian Institution's National Air & Space Museum + Specialized Tour
Excursion to Potomac River Cruise – Washington Monuments
Excursion to the National Aquarium + included Master Class
Excursion to Baltimore's Inner Harbour
Excursion to Medieval Times Dinner Theatre
Excursion to Embassy Row
Excursion to International Spy Museum + 2 included Master Classes
Excursion to Newseum + included Master Class
Guided Illuminated Tour excursion of the Washington Monuments with a DC-licensed guide
Full-time Tour Ambassador throughout your stay in DC
24-hour emergency assistance

What's Not Included:

Fully comprehensive insurance (mandatory)
Lunches in destination
Transfers to/from home airport
Transportation for activities not shown in the itinerary
Cost of visas, full or collective passports
Cost of inoculations or medication required for travel
Sightseeing / Entertainment Options not shown in

Itinerary

Hotel incidental deposits & bills – meals, mini-bar items, recreation, purchases billed to room, etc
Any gratuities – coach drivers, maid / bellman services, area guides, tour ambassador



As always, our staff are always available to you to answer any questions you may have regarding programming. If we may serve you in any way, please do not hesitate to contact us.

The Americas: info@visions-in-education.com / 417.231.4892
United Kingdom: info@visionsineducation.co.uk / 01444 810399



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