



Education First

**Educational Tours**

*Dubai | March 2016*

# **GLOBAL STUDENT LEADERS SUMMIT**

**THE FUTURE OF ENERGY**

**LEVERAGING STEM TO LEAD CHANGE**

*March 19 - 28*

# BE PART OF THE SOLUTION

Think about all the ways you've used energy today. Driving your car, charging your phone, refrigerating your food—these are all activities that rely largely on non-renewable fossil fuels like oil, coal and gas. As a leading producer of fossil fuels, the United Arab Emirates has quickly become one of the world's wealthiest nations. However, UAE leaders understand better than anyone that life in the Arabian Desert—and around the world—requires sustainable practices and resource conservation. That's why the country is seeking to become an international leader in renewable and sustainable energy production and technological development.

That makes the UAE the perfect stage for our 2016 Global Student Leaders Summit, *The Future of Energy*. This extraordinary event combines an educational tour and two-day leadership conference in Dubai, tackling the energy issue where it comes to life. You will learn from world-renowned experts on science and energy, and work together with peers from the United States and UAE to design and present your own solution to the issue.

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## *What to expect on your Summit*

**1**

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### *Immersive Travel*

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Your tour of the UAE brings the Future of Energy theme to life as you gain knowledge and hands-on experience through cultural and science-focused activities.

**2**

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### *Thought Leadership*

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World-renowned speakers and experts on the future of energy lead discussions and workshops to inspire and educate you. Past speakers have included Al Gore, Jane Goodall and Sir Ken Robinson. Keynote speakers for the 2016 Dubai Summit will be announced in the spring of 2015.

**3**

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### *Design Thinking*

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Working in small international teams, you will learn the design thinking process—a creative problem-solving technique used by companies like Apple and Google—and then use it to propose your own solutions to today's energy challenges.

**4**

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### *Online Learning*

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weShare, our online learning platform, gives you a place to research, reflect and share a project pre and post tour. You can even earn high school or college credit.



Explore a spice souk in Deira



Collaborating in international teams



Travel by electric car in Masdar City

# LEVERAGING STEM TO LEAD CHANGE

*Highlights of what you'll experience on your  
10-day tour to Dubai and Abu Dhabi:*



## MASDAR CITY

Experience the future of sustainable energy in action in Masdar, a city powered by renewable energy resources.



## NAKHEEL PROJECT

Discover how innovative engineering made some of Dubai's most ambitious construction projects a sustainable reality.



## SUSTAINABLE ARCHITECTURE

Explore cutting-edge buildings with a Dubai architect and consider the role of architecture and design in creating more sustainable cities.

### *Itinerary*

*March 19—28, 2016*

#### **Days 1—2: Dubai**

Fly overnight to Dubai and meet your Tour Director at the airport. Dive right into Dubai's luxurious culture on a drive down Sheikh Zayed Road. Named for the UAE's first president, the road is lined with record-breaking architecture, including more than 900 skyscrapers created by the city's booming economic development. Stop at Dubai Marina to admire the twisting Infinity Tower, dip your toes into the warm waters of the Gulf of Arabia at Umm Suqeim Beach, and check out the world's first 7-star hotel, the Burj Al Arab.

#### **Day 3: Dubai**

Learn about Dubai's fascinating man-made islands during a discussion at the headquarters of the Nakheel Project, the company that developed the two "Palms" and the "World." Get an in-depth look at the engineering behind the project, including the dredging process. Then board the driverless Palm Jumeirah Monorail, a \$400 million engineering marvel that uses straddle-type technology, and visit the mammoth island construction for yourself.

Next, go to the Al Marmoum Racetrack and discover a creative use for robot technology: camel jockeys. Then go to the top of the

tallest building in the world, the 200-story Burj Khalifa.

#### **Day 4: Dubai**

Step back in time on a visit to Bur Dubai, the oldest part of the city where the skyline is spiked with wind towers and minarets. Pick up souvenirs at the textile souk, then hop aboard a traditional abra boat and cross the creek to Deira to explore the gold and spice souks.

Next, head to the Sheikh Mohammed Centre for Cultural Understanding, where you'll enjoy a traditional Emirati dinner in an authentic courtyard setting.

#### **Day 5: Dubai**

This morning, a resident architect gives you an in-depth look at some of Dubai's most fascinating modern structures. Learn the engineering behind the Infinity Tower, the world's tallest high-rise building with a twist of 90 degrees. Then go inside the award-winning Swiss Cheese Building (aka the O-14 building). Thanks to 1,000 circular openings and a 1-meter space between the facade and the windows, cool air comes in from below, making air conditioning unnecessary. As you study these structures, consider how our environment shapes design solutions.

Next, visit the Dubai Electricity and Water Authority's headquarters and see how it achieved the highest global sustainability rating in its class.

Then visit a desalination plant to learn how engineering and architecture helps create water for 8 million people living in the desert.

#### **Day 6: Abu Dhabi**

Travel to Abu Dhabi and visit the Sheikh Zayed Grand Mosque, a spectacular example of contemporary Islamic design. The mosque, which can hold 40,000 worshippers at one time, is home to the third largest chandelier in the world. Continue to the 7-star, \$6 billion Emirates Palace Hotel, then make a pit stop at the Yas Island Formula 1 Racetrack.

Explore Masdar, a "greenprint" for cities of the future that relies on solar and other renewable energy sources. Home to the Masdar Institute of Science and Technology, the city also has an ongoing collaboration with MIT. Get an up-close view of the solar fields and see how a wind tower 45 meters tall pushes a cooling breeze through the city streets, where cars are not allowed. Instead, you'll ride through the city in an electric car, seeing firsthand how Masdar is

becoming a hub for innovation and entrepreneurs.

#### **Day 7: Dubai**

Friday is a traditional day of rest in the UAE. Return to Dubai and visit the Mall of the Emirates, where the UAE's nothing-is-impossible spirit thrives at Ski Dubai, a man-made indoor ski and tubing hill.

Hop in a 4-wheel-drive vehicle for a thrilling desert safari. Cruise the dunes to your camp, where you can try sandboarding, ride a camel and get a henna tattoo. Meet the other students who will be attending the leadership conference and enjoy a traditional Arabian barbeque under the stars.

#### **Days 8—9: Dubai**

The **leadership conference** begins as you connect with students from all over the world in this inspiring and innovative setting. Over the course of two days you will hear from world-renowned keynote speakers, work with local and global experts, and collaborate with peers in small international teams. You will learn the design thinking process to develop solutions to today's energy challenges and be inspired to take action back home.

#### **Day 10: Depart for home**

Return home, prepared to be part of the solution.

*Space is Limited*

Please ask your teacher for your tour number and visit [eftours.com](http://eftours.com) or call 800-665-5364

— The World Leader in —

# INTERNATIONAL EDUCATION

Your teacher has partnered with EF because of our unmatched experience and worldwide presence, as well as our commitment to providing students with life-changing travel opportunities that are immersive and affordable.

For 50 years, we've worked with educators across the globe to help millions of people become citizens of the world by breaking down barriers of language, culture and geography.

### Affordable

We always offer the guaranteed lowest prices so more students have the opportunity to travel and experience the world.

### Fully Accredited

We're fully accredited, just like your school, so you can earn high school and even college credit while on tour.

### Safety

We're committed to your safety. With 500 schools and offices in over 50 countries, local EF staff can react quickly and in person wherever you travel.

### Insight

We believe in experiential learning at the most important sites. Your Tour Director is with you at every step, providing their own perspective and local tips.



Developing local solutions to energy issues

## THE SUMMIT EXPERIENCE

— Program price includes —



Full-time, expert  
Tour Director



All of the details  
are covered



Sightseeing

2 tours led by expert local guides; 2 sightseeing tours led by your Tour Director

Round-trip flights on major carriers; Comfortable motor-coach; 8 overnight stays in hotels with private bathrooms; Breakfast and dinner daily; Lunch on days 8 and 9



Experiential Learning

Sheikh Mohammed Centre for Cultural Understanding; Nakheel Project; Sustainable Architecture Program; Al-Ahmadiya School



Student Leadership  
Conference

Conference registration; Keynote addresses; Expert workshops; Student workshops; Innovation Village



Entrances

Al Marmoum Racetrack; Burj Khalifa; Desalination plant; Yas Island Formula 1 Racetrack; Desert safari; Sheikh Zayed Mosque



weShare

Our online platform for a deeper learning experience