



What is the **FLYING CLASSROOM?**



It's as easy as ...

1 a business jet



2 transformed into a virtual classroom



3 powered by students' minds.

THE FLYING CLASSROOM is a cutting-edge, global, STEM+ learning adventure.

It is a Digital Learning Tool designed to help students excel in Math, Science, Reading, and other core subject areas aligned to academic benchmarks for grades K-8. The curriculum serves as an intervention and enrichment tool. The Flying Classroom is aligned to the National Common Core Standards and Next Generation Science Standards.

Powered by state-of-the-art technologies, the Flying Classroom will utilize *Inspiration III* provided by Executive Aircraft Services to travel to 11 countries, spanning 3 continents. Daily dispatches on our website will promote learning anytime, anywhere, on a broad range of mobile devices.

STEM+ = Science, Technology, Engineering, Math + Geography, History, Social Studies, Career Paths, Reading

The Flying Classroom will include:

// STEM+ EXPEDITIONS

16 exciting STEM+ expeditions via land, air, and sea led by National Geographic Emerging Explorer and Guinness World Record Holder Captain Barrington Irving.

// EDUCATION REALITY SHOW

Web-based, educational reality show that will allow students to participate in the STEM+ expeditions in near-real time. Watch from the online portal as Barrington hovers over an active volcano, races a dogsled, studies sea snakes, and discovers technologies that will change the world.

// GET INVOLVED

Sign on to our electronic portal to follow the flight, download interactive simulations, and track the trip's progress on Google Earth. Vote to decide on Barrington's activities at each stop. Hear how celebrities use STEM+ in their own lives!

// HANDS-ON CURRICULUM

Our STEM+ curriculum will cover core STEM subjects plus Reading, Language Arts, Geography, Social Studies, and Health. All lessons are aligned to the National Common Core Standards.

- Interactive STEM+ Career Profiles (derived from STEM+ expeditions)
- Country Profile and Fast Facts (flag, symbol, population, languages, government types)
- Recipes for Ethnic Cuisine
- Daily Sayings in Native Languages
- Weird but True Fun Facts
- Downloadable hands-on building activities and inquiry-based learning challenges
- Lessons designed by core area experts
- Electronic assessments: online quizzes and STEM+ Speed Challenges, personal journals, news blogs, and student i-reports

**Join the Flying Classroom at www.flyingclassroom.com and begin traveling and exploring your world today!
Contact us at (305) 537-9291 or support@flyingclassroom.com**

flyingclassroom.com



FLYING CLASSROOM: YEAR ONE

GROUND EXPEDITIONS

On the first of its three flights, The Flying Classroom will make 30 stops across 3 continents in 11 countries, exploring STEM in today's world through a powerful range of expeditions in the following core areas: ■ Technology ■ Environment ■ Wildlife

NORTH AMERICA

You Can Build Anything DALLAS, TEXAS



Learn about amazing things students built in Captain Irving's Build & Soar program and discover what you can build using STEM. Learn about Captain Irving's story from inner city to aviation record holder.



Bionic Human BOZEMAN, MONTANA

Meet a chef with a bionic arm and see how human brains can control robotic limbs through thought.

Aerobatic Flight School DAYTON, OHIO



Learn scientific and aerodynamic principles as Captain Irving flies barrel rolls, hammerheads, and an outside loop with Sean Tucker, the world's top aerobatic pilot.

Glaciers & Dog Sledding ANCHORAGE, ALASKA



Learn about glacial climate interactions and sea level rise with local scientists and researchers.

Weather Forecasting HOUSTON, TEXAS



Meet the team at Universal Weather & Aviation who plan Captain Irving's flight routes and coach him through storms and foreign lands.



Volcano in the Sea HILO, HAWAII

Study lava flows while hovering twenty feet above an active volcano on the Big Island of Hawai'i, which is actually the top of the world's tallest mountain.

ASIA + OCEANIA



Mitsubishi Innovations NAGOYA, JAPAN

Take a test flight in the MU-2 Turbo Prop and learn about thousands of other innovative STEM products designed by Mitsubishi.



Building Sustainable Cities SHANGHAI, CHINA

By 2050 the number of people living in cities will have nearly doubled, from 3.6 billion in 2011 to more than 6 billion. How can building a sustainable city solve this?



Balance an Eco-System DARWIN, AUSTRALIA

Help us protect the ecosystem from the world's most poisonous toad.



Venom Saves Lives KOROR, PALAU

Learn how the deadliest animals are the biggest life savers.

EXPANSION PACK



Coral Reefs BALI, INDONESIA

What are coral reefs trying to tell us about the environment?



Design for Champions BEAVERTON, OREGON

Work with shoe engineers at Nike to learn how they help athletes improve performance.



STEM behind Gaming ORLANDO, FLORIDA

Learn how STEM is used to design and build video games.



Animal Rescue SINGAPORE

Visit wildlife reserves for some of the world's most endangered species.



Mystery Trip



Water Aerodynamics SYDNEY, AUSTRALIA

Visit the city known for its sailing and for being a hub of innovation.

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