



WHAT IS THE FLYING CLASSROOM?

Flying Classroom is a K-8 integrative STEM+ curriculum based on the global expeditions of Captain Barrington Irving. Flying Classroom includes academically rich, relevant and rigorous learning activities aligned to STEM. The curriculum includes correlated learning activities to geography, literacy, informational writing, career development, art, cultural lessons and social studies.



IS FLYING CLASSROOM A CORE CURRICULUM?

Flying Classroom is a complementary curriculum product that does not replace standards or core curriculum being implemented by a school group. As a complementary curriculum, Flying Classroom promotes schools implementing STEM+ through project-based learning activities and engineering design challenges based on the expedition content. Lead explorers guide collaborative groups of explorers through solving relevant, real-world and rigorous challenges using the content within Flying Classroom.



WHAT IS STEM+ LEARNING?

Flying Classroom promotes STEM+ as more than an acronym. STEM+ is a culture, mindset and way of encouraging explorers to become critical thinkers, collaborators, communicators, and creators. From a teaching perspective, Flying Classroom seamlessly integrates all content areas into unique lessons that have a focused goal of solving a real-world, relevant and rigorous STEM+ challenge.



HOW IS FLYING CLASSROOM ALIGNED TO STANDARDS?

On the digital platform, Flying Classroom is aligned to national standards. However, the Flying Classroom Team creates correlation documents to local standards that schools/school districts follow.



CAN FLYING CLASSROOM BE IMPLEMENTED IN MULTIPLE GRADE LEVELS WITHOUT DUPLICATING THE EXPEDITION LESSONS AND EMBEDDED ACTIVITIES?

Flying Classroom's Expedition Lessons are arranged into grade bands. We uniquely assign a specific expedition to a specific grade level based on grade level standards and big ideas. Pacing and correlation documents are created to alleviate lead explorers and explorers repeating expedition engineering design challenges during their teaching and learning journey.



Captain Irving

*lead explorers: teachers
explorers: students*

HOW IS FLYING CLASSROOM DIFFERENTIATED?

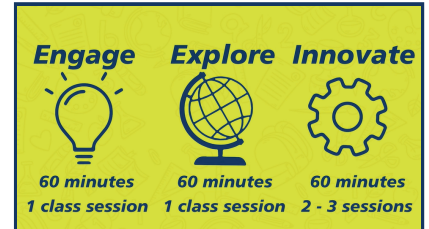


Differentiated instructional resources are embedded within the curriculum. Learning Connection and Vocabulary Activities offer lead explorers access to explorer centric learning resources. From introductory to advanced learning, activities are readily available for lead explorers to use within the classroom.

HOW LONG DO EXPEDITION LESSONS TAKE TO COMPLETE?



Expedition lessons are aimed to take four to five, 60 minute learning sessions. Working collaboratively with school groups we gain an understanding of the instructional setting, allocated time, and explorer knowledge related to STEM+ implementation. Using this information, we create a pacing document for school groups that indicates suggested time spent on expeditions.



WHAT IS THE LEAD EXPLORER'S ROLE WITHIN THE FLYING CLASSROOM?



Lead Explorers are responsible for providing academic content to explorers and facilitating the process of learning, inquiry, design and innovation. Lead explorers also guide the development of explorer creativity, critical thinking, collaboration, communication and problem solving through expedition content. Flying Classroom was designed with Lead explorers in mind, the lessons (Engage, Explore and Innovate) provide step-by-step instructions for lead explorers to implement the lessons and coach explorers through design challenges.

HOW IS EXPLORER LEARNING ASSESSED WITHIN FLYING CLASSROOM?



Flying Classroom has summative assessments, open-ended response assessments, and rubrics to assess explorer's work.

IS THERE A STEM+ CAREER CONNECTION COMPONENT EMBEDDED WITHIN FLYING CLASSROOM?



Each expedition lesson has a career connection component that helps explorers learn about STEM+ careers. This is featured through the STEM professional that Captain Irving is collaborating with on his STEM+ global discovery. At Flying Classroom, we believe it's never too early to start exposing explorers to career options and setting career goals.

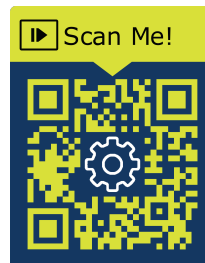
HOW IS THE FLYING CLASSROOM DIGITAL PLATFORM ACCESSED?



The Lead explorer platform is accessed through www.flyingclassroom.com. Each Flying Classroom Lead Explorer has unique log-in credentials to access the platform. The platform can be accessed on a tablet or computer.

WHAT TYPES OF PROFESSIONAL LEARNING DOES FLYING CLASSROOM OFFER?

Flying Classroom offers a wide selection of customized professional learning options. These options range from an **introductory session to Flying Classroom and STEM+** to **comprehensive Professional Learning Pathways**, developed based on a group's needs in the STEM+ realm. Flying Classroom also offers professional learning sessions on **Best Practices within STEM+ Education, In-School Coaching** and immersive STEM+ experiences through **Lead Explorer** and **Leadership Expeditions**. In addition, each school group is assigned a STEM+ Academic and Professional Learning Coach who is available for emails, calls and on-line support. For additional information about Flying Classroom Professional Learning opportunities, please see the weblink: <https://vimeo.com/294867498>.



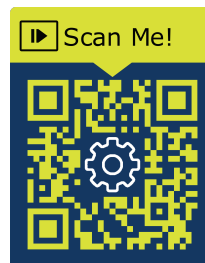
WILL CAPTAIN IRVING VISIT MY SCHOOL DISTRICT OR SCHOOL?

Captain Irving loves to visit all of our schools across the nation. During his visit, explorers hear Captain Irving's journey directly from him. Explorers have the opportunity to share their learning journeys and designs to the STEM+ challenges they have solved.



DOES FLYING CLASSROOM OFFER STEM+ ENGAGEMENT ACTIVITIES?

STEM+ engagement activities are a core piece of the STEM+ experience from Flying Classroom. We offer various opportunities to engage the community in STEM+ experiences, increasing their understanding of the STEM+ journeys explorers take. Our team can lead and organize **STEMFests, STEM+ engagement nights, hangar events** and **speaking engagements with Captain Irving**. For additional information about Flying Classroom STEM+ Engagement activities, please see the weblink: <https://vimeo.com/289665964>.



HAVE OTHER QUESTIONS? PLEASE CONTACT US AT:

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