

# FLYING CLASSROOM

April 28<sup>th</sup>, 2025 (Updated 12/22/25)

Dear Mrs. Debbie Burrell-Butler,

Please find Flying Classroom's proposal for the City of Mt. Vernon Youth Bureau. For this program, Flying Classroom has developed unique educational experiences that will support educators and engage students by equipping them with content area knowledge in science, technology, mathematics, and literacy.

Flying Classroom's mission is to facilitate student investigation into core STEM+ areas while seamlessly integrating subject matter across all core subjects. The PreK-12 focus of Flying Classroom is to ensure that students have a solid foundation in STEM+ to better prepare them for college, career, and life beyond the classroom setting. Flying Classroom has three core focuses:

1. Challenging students to engage in expeditionary and immersive learning through a STEM+ lens while investigating real-world and global STEM+ challenges.
2. Ensuring that students receive academically aligned STEM+ experiences and instruction while enhancing their abilities to collaborate, engage in critical thinking, communicate proficiently, and employ creativity to solve problems.
3. Provide access to STEM+ content and experiences regardless of socioeconomic status or regional location.

Flying Classroom's PK-12, STEM+ supplemental curriculum, facilitates student engagement through expeditionary and immersive learning experiences. Through live virtual sessions and hands-on design challenges, students build a solid foundation in STEM+ as they prepare for college, career, and life beyond the classroom setting. The curriculum is aligned to national standards and

We are looking forward to partnering with the City of Mt. Vernon Youth Bureau by providing an outstanding STEM+ experience for your staff and students this upcoming Spring 2025. Thank you for your time and consideration in reviewing Flying Classroom's proposal. We hope you enjoy the following videos and look forward to speaking with you soon.

Flying Classroom Overview: <https://vimeo.com/286087525>

Captain Barrington Irving Introduction: <https://vimeo.com/369620711>

Blue Skies,



Captain Barrington Irving  
CEO and Founder

# VIRTUAL STEM+ EXPLORATION SERIES

## Schedule A

### Proposed Program Framework:

#### Grade Levels:

- 6-8 Middle School = 10-15 students

Dates: Proposed schedule below;

- Virtual & In-Person 6 weeks:
  - Mondays & Wednesdays
  - 2x per week
  - 60 min Classes
  - 4:00 pm - 5:00 pm.



### **Virtual Instructors:**

Flying Classroom STEM+ Expedition Leaders will provide direct instruction or co-deliver instruction for students who join the virtual sessions. They will provide guidance and co-facilitate the expedition with intertwined academic content for students. Through engaging videos, hands-on lessons, trivia, polls, and more, students will become intrigued in the content and learning.

One STEM+ Expedition Leader will be assigned per session. The STEM+ Expedition Leader will be responsible for ensuring students complete their work, understand the content, and are engaged in the learning. Flying Classroom will provide instructors (STEM+ Expedition Leaders) to lead session(s) per week.

### Virtual Learning in Action

<https://vimeo.com/manage/videos/596461731>

### **Material Kits:**

All students participating in Flying Classroom's virtual sessions will receive a STEM+ material kit. Over the course of the program, explorers will complete numerous expeditions. Materials are a key part of Flying Classroom projects and STEM+ engagement activities. Each Flying Classroom Expedition requires specific

materials that students need in order to complete different investigations and engineering design challenges. Within the material kit students will receive the physical documents needed to complete these content focused activities and engineering design challenges.



What do these kits look like? <https://vimeo.com/538633108/292933b6e0>

Material kits will be shipped to a central distribution address or to the individual school sites prior to the start date of the program upon receipt of payment. Delivery times are subject to change based on shipping and availability of materials.

#### **Staff Professional Development:**

Flying Classroom provides a concierge-level of service that supports teachers and administrators through virtual professional developments. Sessions are tailored to incorporate evidence-based instructional strategies, improve instructional practices, enhance student engagement and address learning loss. Our PD drives powerful results that start with teachers, impact students and lead to program-wide implementation successes.



#### **Teacher Testimonials:**

<https://vimeo.com/538646696/45fcd01778>

#### *In-Person Professional Development Session*

Cost will include all materials, tools, and instruction from the Flying Classroom team.

Virtual and In-Person STEM+ Drone Classes Exploration Series:

Content Focus: The suggested expedition topics have been aligned to national standards and selected specifically for the City of Mt. Vernon Youth Bureau

Week	Class Type	Day of the Week	Theme
Week 1	In-Person	Monday	Orientation
	Virtual	Wednesday	DIY Drone - PART I
Week 2	Virtual	Monday	DIY Drone - PART II
	Virtual	Wednesday	Solar Technology – PART I
Week 3	Virtual	Monday	Solar Technology – PART II
	In-Person	Wednesday	Rockets and Space - PART I
Week 4	Virtual	Monday	Rockets and Space - PART II
	Virtual	Wednesday	Rockets and Space - PART III
Week 5	Virtual	Monday	Advanced Drones - PART I
	Virtual	Wednesday	Advanced Drones - PART II
Week 6	Virtual	Monday	Advanced Drones - PART III
	In-Person	Wednesday	Drone Competition Fest

## Schedule B

### ***Cost Summary for City of Mt. Vernon Youth Bureau:***

- Total Enrollment: 10-15 students (Grades 6-8)
- Special Program (Fall 2025) Total Cost: \$20,000.00
- Professional Development for Educators: Free of charge
- Includes: All tools, equipment, and materials
- Additional Benefit: Students will keep all drones built.

Grand Total Cost: \$20,000.00

City of Mt. Vernon Youth Bureau

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Flying Classroom

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_