Take Flight Scope and Sequence

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1. Save the Take Flight Site in an easy to find location
2. Watch the Take Flight Introductory Video
3. Review the Objectives of Take Flight
4. Print/Save 'How Does the Take Flight Curriculum Work?' Table on page two of this document
5. Familiarize Yourself with the Key Components of Take Flight
    - **Before the Mission (optional)** - Read 'Before the Mission' document if you want to know all the details about the mission.
    - **Student Portfolio (required)** - Print or provide a digital copy to each student. Students do not need to complete all of the activities in the student portfolio. This becomes an assessment tool that educators can use to analyze student learning.
    - **Mission Challenges (required)** - All challenges are *required*. Educators should review the deck before presenting it to students. Educators can modify the Google slide decks as needed. The green slides in the deck provide guidance on how to introduce topics and run activities.
    - **Mission Landing Assessment (required)** - Each student completes a five to ten question quiz to assess student learning for each mission.
    - **In Action (optional)** - A place to pull additional photos from the Mission Specific Career Video. Teachers can use these as visual aids in the room or to make their own learning materials. Consider printing an image and hanging it in your room during each mission.

Join the Journey

- **About** - A page about funding and support opportunities, as well as dissemination and press of Take Flight.
- **Get Started** - A comprehensive guide to all the essential tools and technology and supports needed to navigate the fascinating world of drones - and start using the Take Flight program.
- **Extensions** - A diverse collection of extension activities designed to enrich and expand upon Take Flight. Activities include those developed by CAST as well as creative contributions from educators who have participated in Take Flight.

How Does the Take Flight Curriculum Work?

Mission: There are 6 missions in Take Fight and take roughly 2-3 weeks to complete. The mission themes focus on communication, collaboration, careers, technical skills, and more.

Student Portfolios: Students will create a portfolio for each of the 6 missions. The portfolio is where students will be compiling and collecting information, data, evidence, images, and reflections. Students will use this information to create their final projects, in Mission 6.

Challenges: There are 2-3 challenges or activities per mission. The challenges are presented as downloadable Google slide decks. The slides provide the structure needed to introduce content and activities. Educators can present the decks, delete/edit slides, or print them out.

Landing Assessments: At the end of each mission is a Landing Assessment. Each assessment consists of a 5-10 question multiple choice quiz, a few open-ended questions, and invitation to share artifacts. After completing each assessment students receive a downloadable certificate of completion.

Mission 1: Communication	Mission 2: Collaboration	Mission 3: Technical Skills	Mission 4: Coding	Mission 5: STEM Career	Mission 6: Putting It All Together
Student portfolio	Student portfolio	Student portfolio	Student portfolio	Student portfolio	No New Portfolio Needed!
Challenges #1 Lego Communication (45 minutes)	Challenges #1 First Flight (90 minutes)	Challenges #1 Building Your Flying Skills (45 minutes)	Challenges #1 How did they do that?! (15 minutes)	Challenges #1 Careers with Drones (45 minutes)	Challenges #1 Review and Reflect on Take Flight (Whole Group) (45 minutes)
Challenge #2 Flying Org (90 minutes	Challenge #2 Flight Crew (90 minutes	Challenge #2 Put Your Flight Skills to Use (45 minutes)	Challenge #2 Code Your Drone (2 sessions of 30 minutes)	Students Choose their Challenge: A B C	Students Choose their Challenge: A B C
		Map Air Space (45 minutes)	Challenge #3 Coding Drone Sensors (2 sessions of 30 minutes)		
Landing Assessments	Landing Assessments	Landing Assessments	Landing Assessments	Landing Assessments	