



**K-12 DRONE-POWERED PROGRAMS,  
READY TO LAUNCH!**

# EMPOWERING EDUCATORS TO CREATE LEGENDS

We help educators make learning interesting and relevant through drone technology supported by simplified, turnkey curricula that are easy to implement.

## EXPLORE OUR PROGRAMS:

Grades K-3



**LITTLE LEGENDS**

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## **LITTLE LEGENDS**

Stories, games and classroom activities promoting SEL and early STEM concepts.



**BEST OF**  
**STEM**  
EDUCATORS PICK | 2024

## Your Ultimate Adventure-Packed Educational STEM Solution!

Stories, games, and classroom activities! Children join the Little Legends as they navigate unexpected challenges, harness the power of teamwork, and discover the true meaning of being legendary. Unlock a world of joy and meaningful learning with our themed 5-story sets!

**Grades K-3**



**PROGRAM  
OVERVIEW**

# Each enriching adventure package offers an all-in-one classroom experience, and includes:



## Engaging Stories with Detailed Lesson Plans

Dive into captivating narratives featuring Mateo, Nova, Kannon, Ember, and Gimbal - the Little Legends themselves - as they tackle real-world drone-themed challenges! Each story comes with five meticulously designed 45-minute lesson plans to help you guide the adventure effortlessly.



### Physical Play

Break from routine with activities that are not just fun but also keep young bodies active, all while staying true to the story's theme.



### Interactive Card Games

Foster teamwork and critical thinking with our custom-designed game cards— 4 decks included for group play!



### Downloadable Goodies

Get instant access to coloring pages and puzzles that keep little hands and minds busy and aligned with the story.



### Prompt Engineering

Gimbal the AI drone and Little Legends companion makes learning about prompt engineering a magical experience. Young students enjoy adventurous tales while gaining practical skills in effectively communicating with AI.



### Personalized Adventure Folders & Stickers:

Each student receives a Little Legends folder and a vibrant sticker sheet featuring all the characters. Let them personalize their folders to store activity sheets and share their legendary journey with family!

## Perfect for:



**In school:** in class, after school, specials



**Out of school:** enrichment programs, school breaks, camps



**Anytime:** learning-based fun!



**Students grades K-3**

## Alignment & Standards

- Every component is meticulously aligned with Next Generation Science Standards, ELA, and Social and Emotional Learning.
- From park adventures to high-tech scenarios, your students get a taste of the booming drone industry, making STEM relatable and exciting!

## Technical Requirements & Pricing

### Drone Legends LMS:

Cross platform (Mac, PC, Chromebook) browser-based, GDPR-compliant application.

### Pricing Options:

For pricing, please contact us at [info@dronelegends.com](mailto:info@dronelegends.com) or call (866) 376-6338, option 3.

# Are you ready to be legendary?

# Materials Included:



- Access to the introductory story set, "Welcome to Legendale" (five stories), delivered through the Drone Legends Educator Portal
- Access to teacher instructional slides for each story/lesson, delivered through the Drone Legends Educator Portal
- 5x digital, detailed lesson plans (1 per story), each containing five days of activities for 20+ hours of learning
- Downloadable activities, puzzles, coloring pages, and manipulatives, for each story/lesson
- 4x Mission Mats, 27" x 27" (vinyl game boards)
- 4x sets of Base Cards for board games
- 4x sets of Legendale Game Cards for board games
- 4x sets of Legendale Coding Cards for board games
- 4x sets of Little Legends character game piece cards
- 1x set of 20 game piece card holders
- 20x Little Legends pocket folders
- 20x 8.5" x 11" Little Legends sticker sheets
- 1x set of 4" Mini Floor Spot Markers for physical activities
- 1 Standard Tello Drone

## Story Set Expansion Packs:

- Access to the new story sets of five stories new stories delivered through the Drone Legends Educator Portal
- Access to teacher instructional slides for each story/lesson, delivered through the Drone Legends Educator Portal
- 5x digital, detailed lesson plans (1 per story), each containing five days of activities for 20+ hours of learning
- Downloadable activities, puzzles, coloring pages, and manipulatives, for each story/lesson
- 4x sets of new story-themed Game Cards for board games
- 4x sets of new story-themed Coding Cards for board games



For more information or to order, call 866-376-6338, email [info@dronelegends.com](mailto:info@dronelegends.com) or visit [www.dronelegends.com](http://www.dronelegends.com)

# Legendale Neighborhood Alignment

STORY	NGSS	COMMON CORE MATH	COMMON CORE ELA	SEL	CSTA
<b>STORY 1</b>	K-PS2-1	K.CC.B.5, K.MD.B.3	SL.K.1, SL.K.2, RL.K.10	<ul style="list-style-type: none"> <li>Exhibiting self-discipline and self-motivation</li> <li>Using planning and organizational skills</li> </ul>	1A-CS-01, 1A-CS-02, 1A-AP-08, 1A-AP-10, 1A-AP-11, 1A-AP-14
<b>STORY 2</b>	1-PS4-2, K-2-ETS1-2	K.CC.C.7	SL.K.1, SL.K.2, RL.K.10	<ul style="list-style-type: none"> <li>Resolving conflicts constructively</li> <li>Anticipating and evaluating the consequences of one's actions</li> <li>Seeking or offering support and help when needed</li> <li>Using planning and organizational skills</li> </ul>	1A-AP-08, 1A-AP-10, 1A-AP-11, 1A-AP-14
<b>STORY 3</b>	1-ESS1-1	K.CC.B.4, K.MD.B.3, K.G.A.1	RL.K.10, SL.K.1, SL.K.2	<ul style="list-style-type: none"> <li>Developing positive relationships</li> <li>Practicing teamwork and collaborative problem-solving</li> <li>Recognizing situational demands and opportunities</li> </ul>	1A-AP-08, 1A-AP-10, 1A-AP-11, 1A-AP-14
<b>STORY 4</b>	K-LS1-1, 2-LS2-1		RL.K.10, SL.K.1, SL.K.2	<ul style="list-style-type: none"> <li>Demonstrating curiosity and open mindedness</li> <li>Identifying solutions for personal and social problems</li> <li>Practicing teamwork and collaborative problem-solving</li> </ul>	1A-AP-08, 1A-AP-10, 1A-AP-11, 1A-AP-14
<b>STORY 5</b>	K-PS2-1, K-ESS3-2	K.MD.B.3	RL.K.10, SL.K.5	<ul style="list-style-type: none"> <li>Identifying one's emotions</li> <li>Managing one's emotions</li> <li>Making a plan</li> </ul>	1A-AP-08, 1A-AP-10, 1A-AP-11, 1A-AP-14



**Grades 4-8**



## **STEM FUNDAMENTALS**

All-in-one curriculum package that uses safe, indoor drones to make learning STEM fun.





# STEM FUNDAMENTALS

COURSE OVERVIEW

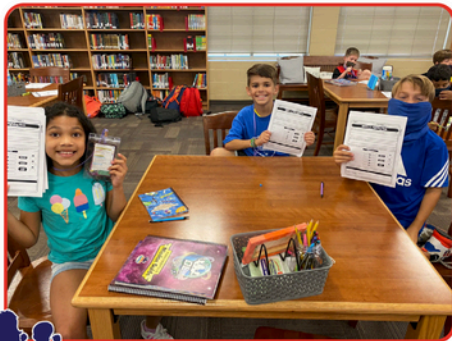




# INSPIRE THE LEGENDS OF TOMORROW, TODAY

Inside every classroom, there are students with limitless potential—future innovators, problem-solvers, and leaders. With Drone Legends™ STEM Fundamentals, you'll help them uncover their inner legend through engaging, hands-on learning experiences powered by drones. And the best part? We've made it easy for you to deliver high-impact STEM lessons with confidence.

Whether you're just starting with drones or have years of STEM teaching experience, STEM Fundamentals provides all the tools, resources, and support you need to create exciting, meaningful learning experiences. You bring the passion—we've got everything else covered.



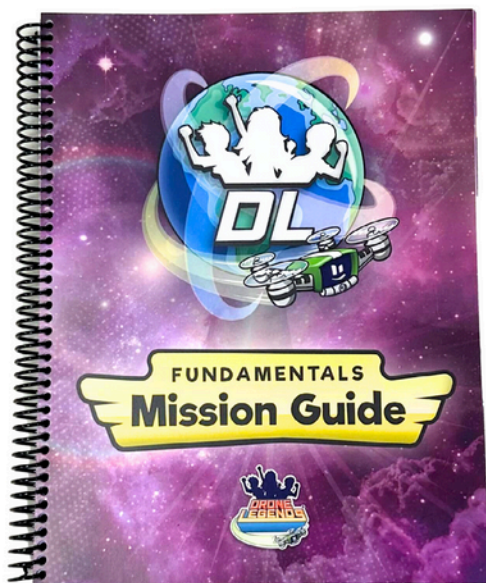
# TURNKEY CURRICULUM SYSTEM™

## BUILT ON STANDARDS, DESIGNED FOR IMPACT

STEM Fundamentals isn't just aligned to educational standards—it's built from the ground up on them. Every mission, activity, and lesson starts with key national and state standards, ensuring that your students gain real-world STEM skills while meeting important learning benchmarks.

- **National Standards:** NGSS, ISTE, CSTA, Common Core (ELA & Math)
- **State Standards:** Texas TEKS, Pennsylvania STEELS, Virginia SOL
- **Custom Alignments:** Need alignment for your state? Just ask! We'll handle it at no extra charge.

We believe great teaching shouldn't come with extra burdens, so we've done the heavy lifting for you. With our Turnkey Curriculum System, you get a ready-to-go package that includes everything you need—from student guides and lesson plans to hardware and professional development.



## WHAT'S IN A STEM FUNDAMENTALS MISSION?

Each mission immerses students in a narrative-driven, problem-solving adventure. Working in real-world drone mission teams—Remote Pilot in Command, Visual Observer, and Safety Manager—students tackle challenges inspired by real-life scenarios.

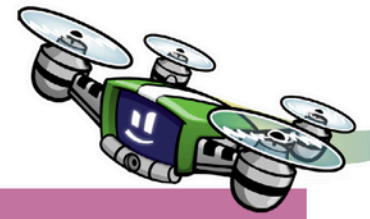
### Along the way, they'll gain critical skills in:

- Drone piloting and real-world applications
- Engineering design and coding (loops, functions, variables)
- Math and science problem-solving
- Collaboration and teamwork

By the end of the program, your students won't just be learning STEM—they'll be living it.



# WHAT MAKES STEM FUNDAMENTALS DIFFERENT?



## Engaging, Narrative-Based Learning

Every mission begins with a story, pulling students into an exciting world where they're the heroes solving real-world problems.

## Real-World Career Connections

Students aren't just learning concepts—they're stepping into real-world roles, practicing teamwork and communication in a professional context.



## Turnkey Curriculum System

You're busy—we get it. That's why STEM Fundamentals comes with everything you need, including:

- Student Mission Guides
- Lesson Planners
- Safety Cards and Launch Pads
- Construction Sets and more

## Unlimited Professional Development

Teaching with drones is easier than ever, thanks to 4+ live Zoom sessions per month led by expert instructors. Join as often as you like, and bring as many colleagues as you need.



# EXTEND THE ADVENTURE WITH STEM EXPEDITIONS

STEM Fundamentals is just one part of the Drone Legends Universe, a complete pathway for K-12 STEM learning:



## GRADES K-3



### Little Legends

Creative play and storytelling that introduces young learners to the magic of drones.

## GRADES 4-8



### STEM Fundamentals & STEM Expeditions

Hands-on missions and advanced expeditions for middle school students.

## GRADES 5-8



### Egyptian Expedition

A digital, self-paced adventure in which students solve an ancient mystery using drone coding and flight simulation.

## GRADES 8-12



POWERED BY ORQA

### FPV Initiator™ & USDRA™

The ultimate turnkey drone-piloting curriculum and competitive racing experience. With USDRA™ powered by Orqa™, students race in real life (IRL) and in the exciting world of esports through the Orqa FPV SkyDive™ simulator—the first drone racing league exclusively for students, combining hands-on FPV flying with exciting online competitions.

## GRADES 6-8



### The Rise of The Legends

An action-packed novel that ties directly into the Drone Legends Universe, inspiring students with STEM, drones, and teamwork. It's the perfect companion to classroom missions or a great standalone read. Learn more at [riseofthelegends.com](http://riseofthelegends.com).



# ALIGNMENT & STANDARDS

## Mission 1: Flight Training

Subject	Standard Alignment
NGSS	4-PS3-1
Common Core Math	CCSS.MATH.CONTENT.4.MD.C.5.B
Common Core Literacy	CCSS.ELA-LITERACY.SL.4.1, 5.1, 6.1, 4.2, 5.2, 6.2, RI.4.4, W.4.4, 5.4, 6.4
CSTA	1B-CS-02, 1B-CS-03, 1B-IC-18
ISTE	1d, 2b, 7c

## Mission 2: Fighting Fires

Subject	Standard Alignment
NGSS	3-PS2-2, 5-ESS3-1
Common Core Math	CCSS.MATH.CONTENT.3.MD.B.4, 6.SP.B.5.C
Common Core Literacy	CCSS.ELA-LITERACY.RI.4.4, W.4.4, 5.4, 6.4
CSTA	1B-CS-02, 1B-CS-03, 1B-IC-18
ISTE	2b, 3d, 7c

## Mission 3: Erebus Expedition

Subject	Standard Alignment
NGSS	4-ESS2-2
Common Core Math	3.MD.B.4, 3.NBT.A.2, 3.OA.D.8, 4.MD.A.1, 4.MD.A.2, 4.NBT.B.4, 4.OA.A.3, 5.MD.A, 5.MD.A.1, CCSS.MATH.PRACTICE.MP4, MP6
Common Core Literacy	SL.4.1, 5.1, 6.1, 4.2, 5.2, 6.2, RI.4.4, 5.4, 6.4, 5.3, W.4.4, 5.4, 6.4
CSTA	1B-AP-10, 1B-AP-13, 1B-AP-15
ISTE	1d, 3d, 4d

## Mission 4: Shark Watch

Subject	Standard Alignment
NGSS	3-5-ETS1-2
Common Core Math	CCSS.MATH.CONTENT.5.MD.A.1, 4.NBT.B.6
Common Core Literacy	CCSS.ELA-LITERACY.SL.4.1, 5.1, 6.1, 4.2, 5.2, 6.2, RI.4.4/5.4/6.4, 5.3, W.4.4/5.4/6.4
CSTA	1B-AP-08, 1B-AP-10, 1B-AP-11, 1B-AP-12
ISTE	3d, 5c, 7c

## Mission 5: Medicine Delivery

Subject	Standard Alignment
NGSS	5-PS2-1, 3-5-ETS1-3
Common Core Math	CCSS.MATH.CONTENT.3.MD.B.4, 4.MD.A.2, 5.MD.A.1
Common Core Literacy	CCSS.ELA-LITERACY.RI.4.4, 4.1, 5.1, 5.3, 6.1, W.4.4, 5.4, 6.4
CSTA	1B-AP-08, 1B-AP-10, 1B-AP-11, 1B-AP-12, 1B-AP-13, 1B-IC-18
ISTE	4a, 4c, 4d

## Mission 6: Helper Bees

Subject	Standard Alignment
NGSS	4-LS1-1, 5-ESS3-1
Common Core Math	CCSS.MATH.CONTENT.3.MD.B.4, 5.G.A.1, 5.G.A.2, CCSS.MATH.PRACTICE.MPI
Common Core Literacy	CCSS.ELA-LITERACY.RI.4.4, 5.3, W.4.4, 5.4, 6.4
CSTA	1B-AP-12, 1B-AP-16, 1B-IC-18
ISTE	4a, 5c, 7c

## Mission 7: Drone Racing

Subject	Standard Alignment
NGSS	3-PS2-1
Common Core Math	CCSS.MATH.CONTENT.3.MD.B.4, 4.MD.A.2, 5.MD.A.1
Common Core Literacy	CCSS.ELA-LITERACY.RI.4.4, 5.3, W.4.4, 5.4, 6.4
CSTA	1B-AP-10, 1B-AP-11, 1B-AP-16
ISTE	4d, 7c

## Mission 8: Mission to Mars

Subject	Standard Alignment
NGSS	5-PS2-1
Common Core Math	CCSS.MATH.CONTENT.3.MD.B.4, 4.MD.A.2, 5.MD.A.1
Common Core Literacy	CCSS.ELA-LITERACY.RI.4.4, 5.3, W.4.4, 5.4, 6.4
CSTA	1B-AP-08, 1B-AP-10, 1B-AP-11, 1B-AP-12
ISTE	4a, 5c, 7c

## Mission 9: Koala Care

Subject	Standard Alignment
NGSS	5-ESS3-1, 3-5-ETS1-3
Common Core Math	—
Common Core Literacy	CCSS.ELA-LITERACY.W.4.4, 5.4, 6.4, 4.5, 5.5, 6.5, 4.6, 5.6, 6.6, 4.7, 5.7, 6.7, RI.4.4, 5.4, 6.4, 5.9
CSTA	1B-AP-13, 1B-AP-16, 1B-IC-18
ISTE	1a, 1b, 7a

## Mission 10: Cinematography

Subject	Standard Alignment
NGSS	5-ESS3-1, 3-5-ETS1-3
Common Core Math	—
Common Core Literacy	CCSS.ELA-LITERACY.W.4.4, 5.4, 6.4, 4.5, 5.5, 6.5, 4.7, 5.7, 6.7, 4.8, 5.8, RI.4.5.9
CSTA	1B-AP-13, 1B-AP-16, 1B-IC-18
ISTE	1a, 1b, 7a

# WHAT'S INCLUDED IN YOUR KIT?

Your STEM Fundamentals Kit includes everything you need to run an amazing program for up to 15 students:



## Hardware

- 5X Tello Boost Combo (drone, 3X batteries, 3-port battery charger, USB cord, 1X set of 4 replacement propellers)
- 10X Tello spare batteries
- 10X Tello replacement propellers (pack of 4)
- 5X Tello replacement propeller guards (pack of 4)

**NOTE:** Four of the five drones included are intended for use in the curriculum, with students organized into four teams of 3-5 students. The entire bill of materials is designed to support this team structure. The fifth drone and hardware are provided as a backup or spare.

*For larger classes or additional team configurations, ask your Drone Legends educational consultant about expanded class kit options.*

## Mission-Ready Curriculum Components

- 1x 158 pcs construction builder set
- 8x launch/landing pads
- 24x 1.25 in spiky hedge balls (for flip missions!)
- 6x 3D printed flip cups + STL print file to print your own!
- 10x 120 inches/300 cm measuring tapes
- 24x mini-koala animal clips
- 24x mechanical pencils
- 8x sticky notes
- 12x clipboards
- 12x safety goggles
- 6x 6-quart storage bins

## Curriculum, Professional Development, and Support

- 12x Student Mission Guides
- 6x Operations Manuals
- 2x Educator Lesson Planners
- 12x Student Safety Cards on lanyards
- 36x Drone Legends pilot wing pins
- 100X Drone Legends stickers
- Annual access to Drone Legends Educator Portal (slides, videos, worksheets, and more)
- 12-month unlimited Professional Development (4x Zoom sessions w/live instructor available ea. month)
- Unlimited support available M-F, 9a-5p EST

## Contact Hours

### 20 Hours

The program includes 10 exciting, problem-based missions, each intended to run 90 minutes. You may choose to use one mission per day, combine two missions, or split them between days depending on your scheduling constraints.

## Technical Requirements

One smartphone or tablet is required per drone/team to use as a flight controller (requires iOS 9.0 to 17 or Android 4.0.0 or later. Not compatible with iOS 18 or later or FireOS/Amazon tablets). For iOS 18 or above, an Android device is required. Students can conduct coding missions on the same smartphone or tablet via the Blockly coding app.



# READY TO INSPIRE THE LEGENDS IN YOUR CLASSROOM?

**JOIN THE DRONE LEGENDS COMMUNITY TODAY!**

For pricing options or more information, contact us at  
[info@dronelegends.com](mailto:info@dronelegends.com) or call (866) 376-6338.





**Grades 5-8**



## **EGYPTIAN EXPEDITION**

Promotes STEM and problem-solving skills in a simulated environment.

Embark on a **LEGENDARY** adventure with

# The Egyptian Expedition Experience



**A brand-new simulated drone flight program for students in grades 5-8 brought to you by Drone Legends!**

This eight-mission adventure is a highly interactive and engaging educational program that gives students practical experience and proficiency in coding and drone piloting in a simulated environment as they try to solve an ancient Egyptian mystery left behind by an early explorer.

Students learn the basics of drone flight and navigation, and apply science and math concepts to write code to program the drone to complete the objectives of each mission.

The program is designed to cultivate and increase students' critical thinking and problem-solving skills with limited assistance and instruction from the teacher.



The **Egyptian Expedition Experience** is an innovative curriculum that challenges students to apply their STEM knowledge and problem-solving skills to code and fly a drone in a simulated environment.

As **leaders of their own learning**, students use these skills to complete eight missions, solving puzzles through hidden clues left behind by the explorer.



## Program Overview



- ▶ Program Duration: eight to ten one-hour class periods
- ▶ No physical drones or other hardware required
- ▶ Student-driven, easy-to-follow, self-paced modules with limited teacher instruction required
- ▶ No previous coding or drone flight experience needed for students or teachers
- ▶ Students can work individually or in teams of two.
- ▶ Compatible with Chrome and Safari browsers
- ▶ The **Egyptian Expedition Experience** is included **FREE** with our STEM Fundamentals program or can be purchased separately as a standalone program.



## Egyptian Expedition Experience Print Pack

To get the most out of The Egyptian Expedition Experience, Drone Legends recommends using printed copies of the reference materials, which include:

- **Resource and reference pages** – supplemental materials to aid students in understanding and solving problems throughout the program
- **Drone Pilot Notes** – worksheets and problem sets for each mission, with room for students to document ideas, plans, calculations, and coding steps
- **Teacher's Guide** – includes lesson plan outlines for the entire program and answer keys for each mission



Drone Legends is pleased to offer a **complete print package** for the **Egypt Expedition Experience**, which includes 1 Teacher's Guide and 25 student folders, with all the reference and resource pages and Drone Pilot Notes for each mission.

This print package of over 1,500 pages is available for purchase at [shop.dronelegends.com](http://shop.dronelegends.com).

**Don't miss out on this chance to bring the excitement of drone coding and flight simulation to your students!**



### Contact:

[www.dronelegends.com](http://www.dronelegends.com) • [info@dronelegends.com](mailto:info@dronelegends.com)  
1-866-376-6338, option 3

**Grades 8-12**



## **FPV INITIATOR**

A precision drone piloting program that helps form technical career connections.



# PRECISION DRONE PILOTING PROGRAM



**COURSE  
OVERVIEW**

[DRONELEGENDS.COM](http://DRONELEGENDS.COM)

## Course Overview

Meet **FPV Initiator**, a new precision drone pilot training program from **Drone Legends**. FPV Initiator takes the quick reflexes, sharp decision-making, and thrill of the race to a whole new level, all while building in the academic alignment educators have come to expect from Drone Legends programs.

Ready-to-run out of the box, FPV Initiator has everything you need to put your middle school, high school, and college students on a track toward real-world, precision drone operations and the ultra-cool world of virtual and in-real-life competitive drone racing!

Designed for the novice teacher and student, information is presented through engaging lesson modules that make it easy to teach and learn. We've done the heavy lifting for you so you can focus on what's important – **coaching and preparing your students for success.**

## What is FPV?

FPV stands for **First-Person View**. When piloting the drone, students wear VR goggles, allowing them to see from the drone's perspective. Unlike traditional drones, which are piloted from the pilot's ground perspective, FPV offers a viewpoint directly from the drone. This provides an exceptionally immersive experience, leading to more precise flying and heightened accuracy. The outcome is faster reactions and a heightened awareness of the surroundings. That's why we call it "precision drone pilot training."



## Dive Into Precision Piloting

Practicing FPV flight in a simulator lets students safely crash and recover an unlimited number of times in a virtual environment. This way, they learn the basic controls of an FPV drone while developing the muscle memory their hands require for precision flight.

**Our immersive microdrone simulator delivers a truly authentic FPV flight experience, allowing students to hone their skills in hyper-realistic environments.**

## Course Overview

The **12-lesson FPV Initiator program** is designed to introduce students and teachers to the exciting world of flying FPV drones. Students will learn the fundamentals of drone safety, flight mechanics, and radio control. They will also gain hands-on experience repairing and flying their own FPV drone.

**Module 1 - Pilot's Prelude:** Mastering FPV Drone Basics and Gear Insights

**Module 2 - Dialing in Control:** A Deep Dive into Your RC Setup & Configuration

**Module 3 - Unleash Your Potential:** Simulator Training for Superior Skill Development

**Module 4 - Batteries Included:** Tips and Tricks for Safe and Effective Use

**Module 5 - Ready, Set, Goggles Up:** Setting Up Your FPV Goggles for the Ultimate Flying Adventure

**Module 6 - Meet Your Micro:** Understanding Your Drone's Components and Functionality

**Module 7 - Betaflight Basics:** Customizing Your Drone's Flight Settings

**Module 8 - From Crash to Fix:** Learning the Fundamentals of Micro Drone Repair

**Module 9 - First Flight, New Heights:** Experiencing FPV Drone Racing in Real Life

**Module 10 - The Art of Precision:** Mastering Control and Maneuvering

**Module 11 - Breaking Ground:** Building Your First FPV Obstacle Course

**Module 12 - Mind over Motors:** Navigating Nerves in Your Inaugural FPV Heat

## Materials Included

*\*All materials subject to change*

### Drones & Drone Accessories

- 4x Orqa FPV.One Race goggles
- 12x Orqa FPV.Ctrl controllers
- 4x Orqa 65mm Micro Drones
- 4x ImmersionRC rapidFIRE receivers
- 4x ImmersionRC Ghost Tx modules
- 4x ImmersionRC SpiroNET antenna bundles
- 24x 380 mAh 1S LiPo batteries
- 16x replacement propellers
- 4x goggle battery chargers
- 4x flight battery chargers with cables
- 4x 4-port USB charging hubs
- 1x LiPo safe storage bag
- 12x USB to USB Type C cables
- 12x microSDHC cards - 16GB
- 4x microSD card readers
- 4x Micro USB cables
- 4x 6-pc mini-screwdriver set
- 2x storage trunks

### Course Materials

- 10x mini arch gates
- 6x race flags
- 2x race cubes
- 60x floor indicators
- 1x 1000 ft. measuring wheel
- 4x stopwatches
- 100x USDRA League stickers

### FPV Initiator Curriculum

- 1x Coach's Playbook
- 12x Pilot Handbooks
- 1x 12-month access to online curriculum

### Training & Support

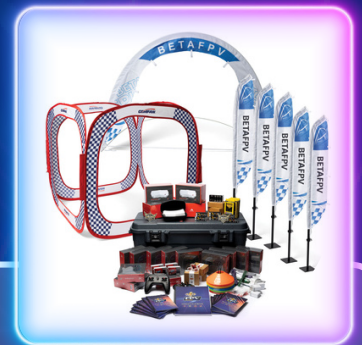
- Unlimited professional development, live via Zoom
- Customer support

### Contact Hours

- **20+ hours** - FPV Initiator includes 12 interactive learning modules, each intended to run for 90 minutes. Modules include a combination of planned activities, video instruction, quizzes, and drills. Hours can be increased through additional time spent in the flight simulator, both in and out of the classroom.

### Training & Support

- **Drone Legends LMS:** Cross platform (Mac, PC, Chromebook) browser-based, GDPR-compliant application
- **SkyDive drone flight simulator:** Chromebook and Windows compatible, plus iOS and Android app available for at home practice



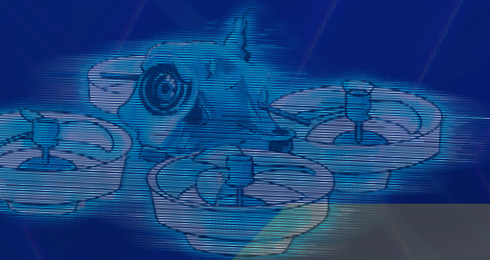
## Curricular Alignment

FPV Initiator isn't just about the thrill of drone racing—it's an educational training system designed to equip students with a future-ready skill set.

**Aligned with key academic standards, including:**

- Career Ready Practices (CRP)
- Common Career Technical Core (CCTC)
- Computer Science Teachers Association (CSTA)
- International Society for Technology in Education (ISTE)
- Next Generation Science Standards (NGSS)
- Social-Emotional Learning (SEL)

Our curriculum ensures that students aren't just having fun—they're mastering skills that will serve them in college, in their careers, and in life. Experience the future of hands-on, experiential learning with FPV Initiator, where **cutting-edge technology meets comprehensive educational development.**



### **Virtual and In-Real-Life (IRL) Competitions in the Unified Scholastic Drone Racing Association (USDRA)**

Coming winter 2024! The USDRA is the first and only hybrid drone racing association created exclusively for students. Our one-of-a-kind league gives you and your students a secure environment in which to compete virtually and IRL in regional and national tournament competitions!

Visit [www.usdra.io](http://www.usdra.io) for updates and exclusive league announcements

### **PRICING OPTIONS**

For pricing, please contact us at:  
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## FPV Initiator Curriculum Alignment

The FPV Initiator curriculum leads students and their coach through a series of exciting and dynamic modules. Each module is designed to be connected with and aligned to a series of high quality standards. The standards used for this program relate to career readiness, science, technology, and social-emotional learning.

The following chart provides an overview of each set of standards that have been integrated into the modules.

FPV INITIATOR MODULE	CRP	SEL	ISTE	NGSS	CCTC
1	✓	✓	✓		✓
2	✓	✓	✓	✓	✓
3	✓	✓	✓	✓	✓
4	✓	✓	✓		✓
5	✓	✓	✓	✓	✓
6		✓	✓	✓	✓
7	✓	✓	✓	✓	✓
8	✓	✓	✓	✓	✓
9	✓	✓	✓	✓	✓
10	✓	✓	✓	✓	✓
11	✓	✓	✓	✓	✓
12	✓	✓	✓	✓	✓

# Career Ready Practices (CRP)

The Career Ready Practices (CRP) standards serve as important guidelines for students to develop essential skills and attitudes necessary for success in the workforce. These standards emphasize a range of competencies, including effective communication, problem-solving, teamwork, and professional ethics.

Alignment to CRP standards prepare students for a successful transition from education to employment. These standards also promote self-awareness, encouraging students to explore their interests and strengths, aligning their skills with potential career paths. Ultimately, Career Ready Practices standards play a pivotal role in equipping students with the practical skills and professional mindset needed to excel in a variety of careers and contribute meaningfully to the workplace.

**1 Act as a responsible and contributing citizen and employee.**

**2 Apply appropriate academic and technical skills.**

**3 Attend to personal health and financial well-being.**

**4 Communicate clearly and effectively and with reason.**

**5 Consider the environmental, social and economic impacts of decisions.**

**6 Demonstrate creativity and innovation.**

**7 Employ valid and reliable research strategies.**

**8 Utilize critical thinking to make sense of problems and persevere in solving them.**

**9 Model integrity, ethical leadership and effective management.**

**10 Plan education and career paths aligned to personal goals.**

**11 Use technology to enhance productivity.**

**12 Work productively in teams while demonstrating cultural global competence.**

## Social-Emotional Learning (SEL)

Social-emotional learning (SEL) standards are essential guidelines in education, fostering students' emotional intelligence, interpersonal skills, and overall well-being. They help educators nurture students' abilities to manage emotions, build positive relationships, make responsible decisions, and handle challenges effectively. By integrating SEL standards, FPV Initiator creates a supportive learning environment, enhancing academic achievement and equipping students with vital life skills for success in school, career, and life.

1

Self-Awareness

2

Self-Management

3

Social Awareness

4

Relational Skills

5

Responsible Decision-Making

## Common Career Technical Core (CCTC)

Common Career Technical Core standards prepare students for success in the rapidly evolving workforce by providing a clear and consistent framework for career and technical education (CTE) programs. These standards ensure that students acquire essential skills and knowledge in various industries, aligning their education with the demands of real-world careers. By adhering to CCTC standards, schools can offer high-quality CTE programs that equip students with practical, job-ready skills, enhancing their employability and readiness for a wide range of professional pathways.

1

Apply engineering skills in a project that requires project management, process control and quality assurance.

2

Use technology to acquire, manipulate, analyze and report data.

3

Describe and follow safety, health and environmental standards related to science, technology, engineering and mathematics (STEM) workplaces.

4

Understand the nature and scope of the Science, Technology, Engineering and Mathematics Career Cluster™ and the role of STEM in society and the economy.

5

Demonstrate an understanding of the breadth of career opportunities and means to those opportunities in each of the Science, Technology, Engineering and Mathematics Career Pathways.

6

Demonstrate technical skills needed in a chosen STEM field.

# International Society for Technology in Education (ISTE)

The International Society for Technology in Education (ISTE) standards are a set of guidelines that empower educators and students to thrive in the digital age. These standards provide a roadmap for leveraging technology effectively in education, promoting innovative teaching methods and enhancing learning outcomes.

By integrating ISTE standards, FPV Initiator creates interactive and collaborative learning environments, equipping students with essential digital skills, critical thinking abilities, and global awareness. These standards also emphasize digital citizenship, encouraging responsible and ethical use of technology. ISTE standards play a vital role in preparing students to navigate the complexities of the modern world, fostering their creativity, communication skills, and adaptability for success in the 21st century.

- **Empowered Learner:** Students leverage technology to take an active role in choosing, achieving, and demonstrating competency in their learning goals, informed by the learning sciences.
- **Digital Citizen:** Students recognize the rights, responsibilities and opportunities of living, learning and working in an interconnected digital world, and they act and model in ways that are safe, legal and ethical.
- **Knowledge Constructor:** Students critically curate a variety of resources using digital tools to construct knowledge, produce creative artifacts and make meaningful learning experiences for themselves and others.
- **Innovative Designer:** Students use a variety of technologies within a design process to identify and solve problems by creating new, useful or imaginative solutions.
- **Computational Thinker:** Students develop and employ strategies for understanding and solving problems in ways that leverage the power of technological methods to develop and test solutions.
- **Creative Communicator:** Students communicate clearly and express themselves creatively for a variety of purposes using the platforms, tools, styles, formats and digital media appropriate to their goals.
- **Global Collaborator:** Students use digital tools to broaden their perspectives and enrich their learning by collaborating with others and working effectively in teams locally and globally.

# Next Generation Science Standards (NGSS)

The Next Generation Science Standards (NGSS) are a set of K-12 science education standards designed to transform science education in the United States. They emphasize a deep understanding of scientific concepts, as well as the integration of scientific practices, engineering principles, and cross-cutting concepts.

NGSS provides a coherent and rigorous science education framework, encouraging students to engage in hands-on learning, critical thinking, and problem-solving. By focusing on the application of science in real-world contexts, NGSS prepares students to become scientifically literate individuals capable of addressing complex global challenges and making informed decisions in an increasingly scientific and technological world. These standards provide educators with a foundation to cultivate students' curiosity, inspire a passion for scientific discovery, and nurture the next generation of scientists and innovators.

- **MS-ETS1-1 Engineering Design**

- Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.

- **MS-ETS1-2 Engineering Design**

- Evaluate competing design solutions using a systematic process to determine how well they meet the criteria and constraints of the problem

- **MS-ETS1-3 Engineering Design**

- Analyze data from tests to determine similarities and differences among several design solutions to identify the best characteristics of each that can be combined into a new solution to better meet the criteria for success.

- **MS-ETS1-4 Engineering Design**

- Develop a model to generate data for iterative testing and modification of a proposed object, tool, or process such that an optimal design can be achieved.

- **HS-ETS1-1 Engineering Design**

- Analyze a major global challenge to specify qualitative and quantitative criteria and constraints for solutions that account for societal needs and wants.

- **HS-ETS1-2 Engineering Design**

- Design a solution to a complex real-world problem by breaking it down into smaller, more manageable problems that can be solved through engineering.

- **HS-ETS1-3 Engineering Design**

- Evaluate a solution to a complex real-world problem based on prioritized criteria and trade-offs that account for a range of constraints, including cost, safety, reliability, and aesthetics as well as possible social, cultural, and environmental impacts.

- **HS-ETS1-4 Engineering Design**

- Use a computer simulation to model the impact of proposed solutions to a complex real-world problem with numerous criteria and constraints on interactions within and between systems relevant to the problem.

# ARE YOU READY TO BE LEGENDARY?

## GET IN TOUCH

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