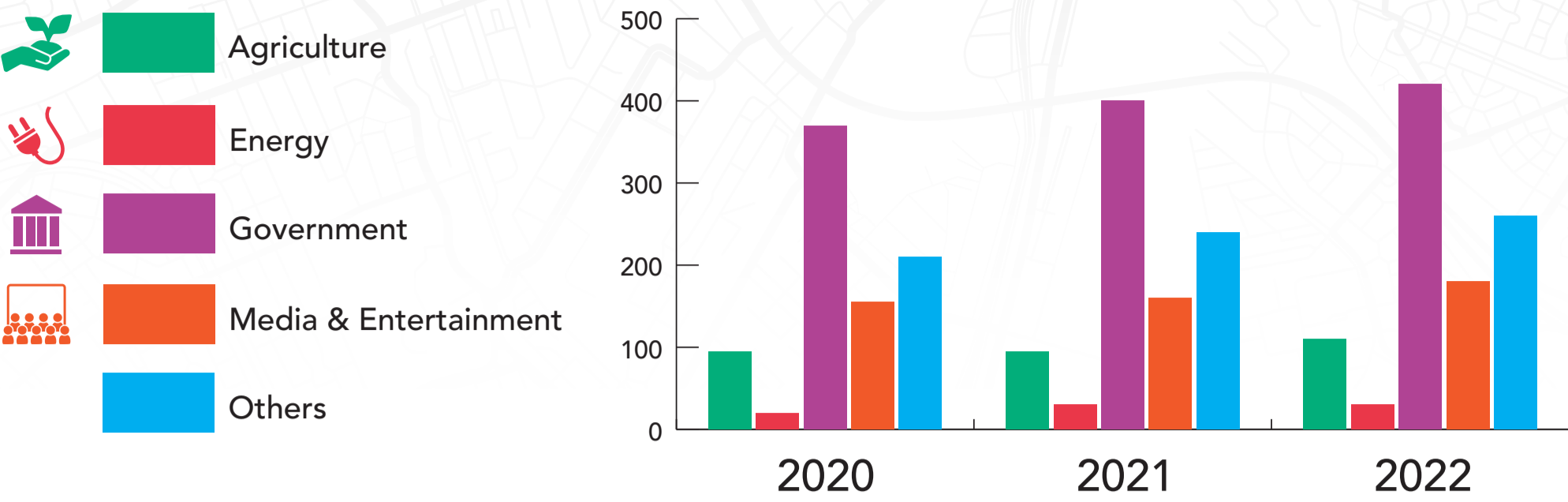


Drones In Career Technical Education

Commercial drones: U.S. market size by application 2020-2022

Projected U.S. commercial drone market from 2020 to 2022, by key area of application (in million U.S. dollars)



Drones are invigorating every foreseeable (and unforeseeable) marketplace. From entertainment and agriculture to energy and construction, they're able to do the jobs that were once too hazardous, costly, or impractical, all at a fraction of previous costs. Because of their ability to innovate industries, drones are estimated to be one of the fastest-growing markets in the next 5 to 10 years.

5 Things You NEED to know about the US Drone Market

1

The US Has the Largest Drone Market in the World.

2

The US Commercial & Private Drone Market will Almost Triple in Size by 2022.

3

US Commercial Drone Unit Sales Will Quadruple Between 2018 and 2024.

4

The US is Home to Over 50% of Global Drone Investments.

5

The FAA is pouring its resources into developing a UTM (Unmanned Traffic Management) system.

CTE CAREER CLUSTER



Discover Drones Pathways

- Drones are hands-on, engaging machines.
- They provide multiple opportunities to practice the soft skills necessary to succeed in today's workforce, including communication, interpersonal skills and systems thinking.
- Drone piloting skills lead to lucrative career opportunities.
- Drones engage students in captivating STEM content: aviation, robotics, materials science, programming, electronics, engineering and more.
- Drones competitions and racing sports are a whole new gateway to interacting with these sophisticated machines.

HOW ARE DRONES BEING USED TODAY?

Agriculture, Food & Natural Resources

- Agribusiness Systems
- Environmental Service Systems
- Power, Structural & Technical Systems
- Plant Systems

Architecture & Construction

- Construction
- Design/ Pre-Construction
- Maintenance/ Operations

Arts, A/V Technology, & Communications

- A/V Technology & Film
- Journalism & Broadcasting
- Visual Arts
- Performing Arts
- Telecommunications

Information Technology

- Programming & Software Development

Law, Public Safety, Corrections & Security

- Emergency & Fire Management Services
- Law Enforcement Services
- Security & Protective Services

Science, Technology, Engineering & Mathematics

- Engineering & Technology
- Science & Mathematics

Transportation, Distribution & Logistics

- Facility & Mobile Equipment Maintenance
- Health, Safety & Environmental Management
- Logistics Planning & Management Services
- Transportation Operations
- Transportation Systems/ Infrastructure Planning, Management & Regulation
- Warehousing & Distribution Center Operations

The best part? We've only just started to scratch the surface of everything drones are able to do. The market is expanding exponentially!

DISCOVER DRONES AND CTE

Discover Drones, the groundbreaking open-source, modular drone learning solution from PCS Edventures provides students and CTE spaces with enhanced STEM learning opportunities. From challenging learners to devise ways to solve global issues with the help of drones to becoming seasoned pilots with a myriad of new, career and degree-focused trainings and experiences, Discover Drones gives students hands-on knowledge of one of the fastest-growing markets and technologies. With this drone program, learners gain a substantial head-start on drone careers in agriculture, digital media, information technology, computer science and programming.

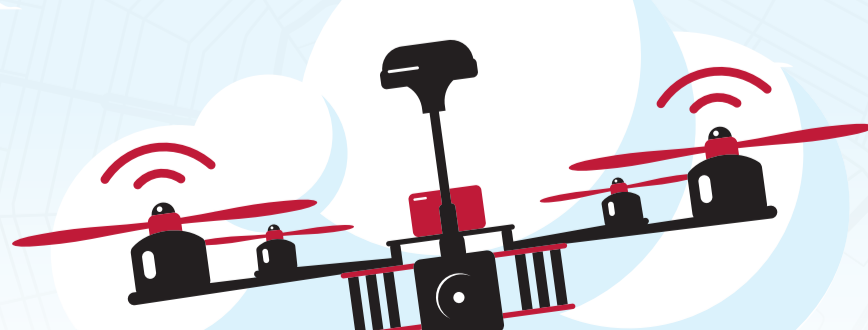
As a turn-key program, Discover Drones can fit into a wide range of learning pursuits, expanding existing lessons with invigorating skills, training and knowledge.

- Pre-Engineering
- Electronics
- Information Technology (IOT & Data)
- Agriculture and Digital Media
- Computer Science and Programming



SUBJECT TARGETS

	GRADES	Physical Science	Technology	Engineering Design	Robotics & Coding	Art/STEAM	Math Connections	English Language Arts Connections
Drones	Ready, Set, Drone! Second Edition	4-8	✓	✓	✓			✓
	Drone Designers: Exploring STEAM Careers	4-8		✓	✓	✓		✓
	Discover Drones	7-12	✓	✓				



For more information go to:

edventures.com/discover-drones or call us at (800) 429-3110