What does “Career Ready” actually mean?

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Assistant Superintendent

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Career Ready REALLY means...

**Career Exploration**
Students range anywhere on a continuum of:

I’ve always known what I want to do!

I have no idea where my road leads.

**Accumulation of “soft skills”**

Top 10 Soft Skills for Customer Service Jobs

- Clear Communication
- Listening Skills
- Self-Control
- Positive attitude
- Assertiveness
- Conflict Resolution
- Empathy
- Depersonalization
- Taking Responsibility
- A sense of humor

[Image of soft skills icons]
The confluence of these concepts exists!
Career exploration helps [young people] ‘connect the dots’ between school and career in ways that keep them motivated to graduate with the skills they will need for the future.

-America’s Promise Alliance, 2019
Current Career Pathways at RHS

- Athletic Training/Physical Therapy
- Communications
- Computer Programming
- Engineering
- Future Educators
- Law and Public Safety
- Structural Design and Fabrication
Upcoming Career Pathways at RHS

- Business and Marketing
- Musical Composition and Performance
- International Relations
- Aviation, Flight, and Piloting
- Information Technology
What are the benefits of participating in career pathways?

- **Clarity**: How do I identify and articulate my future direction?
- **Competitiveness**: How can I enhance my marketability?
- **Connections**: How can I connect with alumni & employers?
## AOPA Curriculum Pathways

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- **Pilot:**
  - Semester 1: Launching into Aviation
  - Semester 2: Exploring Aviation & Aerospace

- **Unmanned Aircraft Systems:**
  - Semester 1: Launching into Aviation
  - Semester 2: Exploring Aviation & Aerospace

- **STEM Symposium '19**
  - Presented by Boeing

#AOPASTEM19
**Grade 9 Curriculum**

- Foundation for exploration of unmanned aircraft systems
- Incorporate engineering programs throughout ninth grade
- Engages students with hands-on projects and learning
- Covers a range of career options for the future and provides historical context
- Career planning embedded into every year

#AOPASTEM19

**Grade 9 Courses**

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**Semester 1: Launching into Aviation**

Students will look at the innovations that have made today's aviation and aerospace industries possible.

**Semester 2: Exploring Aviation and Aerospace**

This course will give students a clear understanding of many career opportunities in aviation and aerospace. They will explore modern day innovations and develop their own ideas to address real world challenges.

#AOPASTEM19

'19 United Airlines AOPA High School Aviation Symposium

Presented by Boeing
GRADE 10 CURRICULUM

- Similar to the first half but builds a deeper understanding.
- Teaches how an airplane is built and constructed, how aircraft work (four forces), and aircraft systems.
- Simulation activities enhance learning.
- 9th grade courses are necessary for 10th grade.

GRADE 10 COURSES

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SEMESTER 1

Introduction to Flight

Students will explore the types of aircraft in use today and learn how aircraft are made and how they fly. They will gain an in-depth understanding of the forces of flight and understand stability, aircraft controls, and maneuvering flight.

SEMESTER 2

Aircraft Systems

A pilot’s knowledge isn’t complete without a complete understanding of aerodynamics, propulsion, electrical, hydraulic, and safety systems. This semester is all about how aircraft work, and students may design their own aircraft as a summative project.
Based on Boeing's *Pilot and Technician Outlook*, approximately 800,000 new pilots will be needed in the world by 2037. Ironically, the number of pilot certificates issued by the Federal Aviation Administration has decreased more than 60 percent since 1980.

A growing demand for certified drone pilots in the field of real estate, construction, film making, telecommunications, journalism, agriculture, and insurance provides aspiring “Dronepreneurs” with the opportunity to earn competitive income with minimal overhead.

Piloting experience is not required to teach the curriculum, but there will be opportunities to train with peers and be supported by AOPA in order to increase knowledge, skills, and credibility.

**Why Aviation, Flight, and Piloting?**
Why Aviation, Flight, and Piloting?

The curriculum is **free** and includes:

- lesson plans which are connected to NGSS and CCSS
- case studies
- problem-based inquiry scenarios
- formative and summative assessments
- culminates in a student being prepared to take the written FAA Knowledge Test or the Part 107 Test
- Provides instructors with opportunities to network with colleagues and receive valuable training provided by AOPA
- Opportunities for instructors to increase their content acumen by becoming certified ground instructors
Our job as teachers is not to "prepare" kids for something; our job is to help kids learn to prepare themselves for anything.