



2018 AOPA High School Aviation STEM Symposium

Monday, November 5, 2018

7:30 - 8:30 a.m.	Registration and Breakfast			
8:30 - 9:45 a.m.	<p>Opening General Session</p> <p>Where is the aviation workforce of tomorrow needed? And where will they come from? Houston Mills will share his experience as a leader for one of the world's largest, safest and most on-time airlines. With more than 1,100 domestic and international flights conducted every day, UPS is on top of the expanding definition of aviation and how it will create new opportunities for today's students.</p> <p>Featuring: Captain Houston Mills, Global Aviation Strategy & Public Policy Director, UPS</p>			
9:45 - 10:15 a.m.	<p>AOPA Resources for You and Your Students</p> <p>It's never been easier to bring aviation into your high school classroom. Hear the latest on the wide range of resources AOPA offers to enhance your programs and engage your students, including flight training scholarships and free aviation STEM curriculum.</p>			
10:15 - 10:30 a.m.	Networking Break (Exhibits open)			
10:30 - 11:30 a.m.	BREAKOUT SESSIONS			
<p>AOPA's Aviation STEM Curriculum</p> <p><i>Kentucky Ballroom</i></p>	<p>Drones in Your School</p> <p><i>Ballroom VIII, Second Level</i></p>	<p>Breaking Down the Fences - Your Airport as a Resource</p> <p><i>Ballroom VII, Second Level</i></p>	<p>How to Build Support for Your Program</p> <p><i>Place Room</i></p>	<p>Building an Airplane</p> <p><i>Show Room</i></p>
11:30 a.m. - 12:15 p.m.	Lunch (Exhibits open)			
12:15 - 1:15 p.m.	<p>General Session: Aviation Careers: A Place for Everyone</p> <p>There's more to aviation careers than flying. Pilots, airport managers, aerospace engineers, maintenance technicians, drone operators, and air traffic controllers all play critical roles in the diverse aviation ecosystem. Learn more about the many and varied career opportunities available to your students from this panel of experts.</p>			
1:15 - 2:00 p.m.	<p>Roll Out the Experts Event</p> <p>Have a question about an aviation program but not sure who to ask? One of the best reasons to come to the symposium is to surround yourself with school leaders who have already experienced starting, building and growing their own high school aviation programs. This networking event will provide an opportunity to flesh out ideas with others, gain insight into strategies, and ask questions – all with the goal of helping you improve your program without having to reinvent the wheel.</p>			
2:00 - 2:15 p.m.	Networking Break (Exhibits open)			
2:15 - 3:15 p.m.	BREAKOUT SESSIONS			
<p>Aviation 101</p> <p><i>Kentucky Ballroom</i></p>	<p>Go Fly! Build a Flight Training Program at Your School</p> <p><i>Ballroom VIII, Second Level</i></p>	<p>Using Simulation to Teach Your STEM Class</p> <p><i>Ballroom VII, Second Level</i></p>	<p>Aviation Exploring</p> <p><i>Place Room</i></p>	<p>Dual Credit Opportunities and College Partnerships</p> <p><i>Show Room</i></p>
3:15 - 3:30 p.m.	Networking Break (Exhibits open)			

3:30 - 4:30 p.m.		BREAKOUT SESSIONS		
Getting Started: Launch Your Aviation Program	Work-based Learning in Aviation	What Else Does AOPA Offer Classrooms?	Civil Air Patrol (CAP) Aerospace Education	Drones in Your School
<i>Kentucky Ballroom</i>	<i>Ballroom VIII, Second Level</i>	<i>Ballroom VII, Second Level</i>	<i>Place Room</i>	<i>Show Room</i>
4:30 - 6:30 p.m.		Evening Reception (Exhibits open)		
Tuesday, November 6, 2018				
8:00 - 8:30 a.m.		Breakfast (Exhibits open)		
8:30 - 9:30 a.m.		Opening General Session Landing a reusable rocket on a drone ship in the middle of the ocean is all in a day's work for the leader of a company that's been called one of the "most disruptive" in the world. Learn how Gwynne Shotwell is revolutionizing access to space, fueling dreams of living on other planets, and, most important, cultivating a new generation of innovators. Featuring Gwynne Shotwell, President and COO, SpaceX Matthew J. Desch, CEO, Iridium Communications, Inc.		
9:30 - 9:45 a.m.		Networking Break (Exhibits open)		
9:45 - 10:45 a.m.		BREAKOUT SESSIONS		
AOPA's Aviation STEM Curriculum	Using Simulation to Teach Your STEM Class	How to Build Support for Your Program	Work-based Learning in Aviation	Dual Credit Opportunities and College Partnerships
<i>Kentucky Ballroom</i>	<i>Ballroom VIII, Second Level</i>	<i>Ballroom VII, Second Level</i>	<i>Place Room</i>	<i>Show Room</i>
10:45 - 11:00 a.m.		Networking Break (Exhibits open)		
11:00 a.m. - 12:00 p.m.		BREAKOUT SESSIONS		
Go Fly! Build a Flight Training Program at Your School	Breaking Down the Fences - Your Airport as a Resource	What Else Does AOPA Offer Classrooms?	Aviation 101	Building an Airplane
<i>Kentucky Ballroom</i>	<i>Ballroom VIII, Second Level</i>	<i>Ballroom VII, Second Level</i>	<i>Place Room</i>	<i>Show Room</i>
12:00 - 12:45 p.m.		Lunch (Exhibits close at 12:45 p.m.)		
12:45 - 1:45 p.m.		General Session: So, I started a program. Now what? Maybe you've had an aviation program for several years. Perhaps you're just getting started with AOPA's Aviation STEM Curriculum. No matter the stage of your program's development, you can increase engagement and deepen learning by connecting to the aviation community in your area. Learn how to build relationships with your local airport, connect with industry partners, and get to know aviation organizations that share your commitment to education.		
1:45 - 2:00 p.m.		Closing and 2019 Symposium Announcement		

*Agenda subject to change.