

With support from the Scott AFB STEAM Advisory Council, the St. Louis Downtown Airport, Saint Louis University, Southwestern Illinois College, and many other aviation-related organizations!!

Date: June 16, 2022

Location: St. Louis Downtown Airport - Saint Louis Parks College, 4300 Vector Dr, Cahokia, IL 62206

Event Coordinator: Kelly Remijan, IMSA PD/Curriculum Specialist ([kremijan@imsa.edu](mailto:kremijan@imsa.edu))

Digital Reference: [https://digitalcommons.imsa.edu/pfs\\_tr/32](https://digitalcommons.imsa.edu/pfs_tr/32)

The purpose of this event is for educators to 1) Gain ideas for integrating aviation & core curriculum, 2) Encounter hands-on activities & technology for teaching math standards, 3) Discover aviation resources for connecting classroom concepts and careers, 4) Explore the ins and outs of various airplanes & helicopters, and 5) Connect with professionals from various aviation careers, organizations, and programs.

### 8:30-9:00 Welcome, Introductions, & Overview of Day

- Kelly Remijan, Illinois Math & Science Academy, PD/Curriculum Specialist
- Angi Rowley, Illinois Math & Science Academy, Director of Federal & State Outreach
- Amy Preiss, Saint Louis University, Outreach Coordinator
- Sandra Shore, St. Louis Downtown Airport, Airport Director

### 9:00-9:55 Presentation for Educators on “Aviation Integration” - <https://www.tinyurl.com/Aviation-Integration>

### 10:00-11:30 Teacher Exploration & \*flights\* for those who are interested & signed up earlier. (See chart below)

Inside Hangar (or in Classroom)	Outside Next to Parking Lot	Outside Ramp adjacent to Hangar	Outside North of Ramp for *flights*
Young Eagles & Aero Careers – Info <a href="https://aerocareers.org/">https://aerocareers.org/</a> <a href="http://www.eaa.org/eea/youth/free-ye-flights">www.eaa.org/eea/youth/free-ye-flights</a>	Gateway Youth Aeronautical Foundation – F4 Phantom Cockpit <a href="http://www.youthaerofoundation.org/">www.youthaerofoundation.org/</a>	SLU Plane- Diamond DA and/or Piper Archer <a href="http://www.slu.edu/parks">www.slu.edu/parks</a> <a href="mailto:amy.preis@slu.edu">amy.preis@slu.edu</a>	IDEAL- Cessna1 (10:00-10:45am) (10:45-11:30am) <a href="https://idealaviationstl.com/">https://idealaviationstl.com/</a>
SWIC – Aeronautical Charts <a href="http://www.swic.edu/academics/career-degrees/aviation/">www.swic.edu/academics/career-degrees/aviation/</a>		EAA Plane - Lancair Columbia dubbed “New Spirit of St. Louis” flown by Charles Lindberg’s grandson Erik Lindberg. <a href="http://www.eaa.org/eea/youth/free-ye-flights">www.eaa.org/eea/youth/free-ye-flights</a>	IDEAL- Cessna2 (10:00-10:45am) (10:45-11:30am) <a href="https://idealaviationstl.com/">https://idealaviationstl.com/</a>
Tuskegee Airmen, St. Louis Chapter – Info <a href="https://tuskegeeairmenstl.com">https://tuskegeeairmenstl.com</a>		Survival Flight Helicopter <a href="https://www.facebook.com/SurvivalFlight5/">www.facebook.com/SurvivalFlight5/</a>	IDEAL- Piper (10:00-10:45am) <a href="https://idealaviationstl.com/">https://idealaviationstl.com/</a>
99’s – Info <a href="https://www.greaterstl99s.org/">https://www.greaterstl99s.org/</a>		St. Louis Downtown Airport Fire Truck <a href="http://www.stlouisdowntownairport.com">www.stlouisdowntownairport.com</a>	
Gateway Youth Aeronautical Foundation & Aero Experience <a href="http://www.youthaerofoundation.org/">www.youthaerofoundation.org/</a> <a href="http://aeroexperience.blogspot.com/">http://aeroexperience.blogspot.com/</a>			

(Note: Corresponding exploration document found as an Additional Document @ [https://digitalcommons.imsa.edu/pfs\\_tr/32](https://digitalcommons.imsa.edu/pfs_tr/32))

- 11:30-11:40 Large Group Pictures together w/ educators, morning vendors, & afternoon vendors (RAMP)**  
**11:45-12:15 Lunch provided for educators, morning vendors, & afternoon vendors (HANGAR or CLASSROOM)**  
**12:20-2:15 4 Stations – each 25 minutes (See chart below)**

	Parking Lot Trailer	Hangar (or Classroom)	Classroom	Lab
	CNC Activity	Outreach/Opportunities	Presentation	Flight Simulator
	SWIC	Civil Air Patrol	Minorities in Aviation	SLU
	<a href="https://www.swic.edu/academics/career-degrees/precision-machining-technology/">https://www.swic.edu/academics/career-degrees/precision-machining-technology/</a>	<a href="https://www.gocivilairpatrol.com/programs/aerospace-education/for-educators">https://www.gocivilairpatrol.com/programs/aerospace-education/for-educators</a>	<a href="https://minoritiesinaviation.aero/">https://minoritiesinaviation.aero/</a>	<a href="http://www.slu.edu/parksamy.preis@slu.edu">www.slu.edu/parksamy.preis@slu.edu</a>
12:20-12:45	Alpha	Bravo	Charlie	Delta
12:50-1:15	Bravo	Charlie	Delta	Alpha
1:20-1:45	Charlie	Delta	Alpha	Bravo
1:50-2:15	Delta	Alpha	Bravo	Charlie

Notes:

**2:20-2:45 ATC Presentation - via Zoom (CLASSROOM)**

Scott Air Force Base – Office of Public Affairs [christine.spargur@us.af.mil](mailto:christine.spargur@us.af.mil)

Notes:

**2:50-3:15 AIAA Activity (CLASSROOM)**

<https://www.aiaa.org/membership/types-of-membership/educator-membership>

Notes:

Activity Extension:  
 Use FREE Tracker Software as mentioned in the “Aviation Integration” presentation

- Download @ <https://physlets.org/tracker/>
- How to Use Tracker Software @ <https://youtu.be/mWZhZKvU9us>

**3:15-3:30 Discussion & Special Thanks (CLASSROOM)**

IMSA Eval (Classroom via electronic device/phone)

Use [www.tinyurl.com/IMSAsurvey22](http://www.tinyurl.com/IMSAsurvey22) or the following QR code



ISBE Evaluation (At-home via emailed link)

- Please complete the ISBE eval within 48 hours.
- After completing the ISBE eval, you will receive your PD evidence of completion form via email before the end of the month.