

# STLP RUBRIC: EKU AVIATION

Live Performance at State Championship  
 Individual Student Event, 2 Students Allowed Per School To Apply  
 MIDDLE & HIGH SCHOOL ONLY  
 BYOT

Future pilots, those who love to plan flights should take part in this event.  
 Students should come prepared to use flight tools and plan a flight from one city to another.  
 Students will need to bring their own tools. (BYOT).  
 The first and second place will be recognized at the State Championship Awards.

RUBRIC: Students will be asked to fill out a simplified Navigation Log commonly used by pilots. Students will be required to calculate basic aviation related data for a short cross county flight that originates from a Kentucky airport and lands at a different Kentucky airport. Students should be familiar with the concepts of indicated airspeed, groundspeed, winds and fuel flow. Additionally, use of the E6B paper flight computer will be used to calculate ground speed given wind direction/speed and True Airspeed as well as other pertinent information.

**What the STLP Coordinator/Coach/Teacher should do:**

- Share the rubric with students
- Determine which students should apply for this category
- Order or borrow flight tools (Circular Slide Rule, Enroute chart, Terminal Procedures)

E6B Paper Flight Computer - <https://pilotgearonline.com/e6-b-paper-flight-computer>  
 Low level Enroute Chart FAA – [https://www.faa.gov/air\\_traffic/flight\\_info/aeronav/digital\\_products/ifr/](https://www.faa.gov/air_traffic/flight_info/aeronav/digital_products/ifr/)  
 Need to have ELUS 26 Flight Chart  
 Cincinnati IAP (CVG) – [link to PDF here](#)

**What the student should do:**

- Review the rubric
- Collaborate with a local pilot or retired pilot
- Visit your local airport
- Learn about flight planning
- Plan a flight from one city to another

**EKU Aviation**

- <http://fly.eku.edu/>

**Civil Air Patrol**

- <http://www.kywgcap.org/>

**Aviation Museum of Kentucky in Lexington:**

- <http://www.aviationky.org/>

**KY Department of Aviation of the Transportation Cabinet**

- <http://transportation.ky.gov/Aviation/>

**Aircraft Owners and Pilots Association:**

- <http://www.aopa.org>

STATE CHAMPIONSHIP	CRITERIA	POINTS EARNED
<b>BYOT</b>	Student brings own tools/materials	No materials, cannot do task
<b>INSTRUCTION</b>	Student listens to directions	
<b>FLIGHT PLANNING</b>	The student will plan a flight from city A/city B	Best flight planners will be invited to EKU