

4U2C

A workshop exploring and pursuing careers in aviation and aerospace engineering Ages 12-14

Discovering the power of P4 – Passion, Practice, Purpose and Persistence

Day 1 – *Passion*

- Introductions and sharing what students hope to gain from workshop
- Ice breaking activity
- Tour of the museum highlighting areas of student interest
- Team activity with team members learning about each others strengths
- Meet a pilot, historian and aerospace engineer
- Brainstorm subject for project. (identify area of passion)
- Start a journal

Day 2 – *Practice*

- Identify skills needed to practice their passion
- Team activity when team members can use their areas of strength
- Build and fly activity to learn more about aerodynamics
- Research time using museum resources
- Introduce primary resources that can help with projects.

Day 3 – *Purpose*

- Brainstorm on how students might make a career in their area of passion
- Trip to Hamilton Sundstrand/Airport/Signature
- Explore career paths
- Set long and short term goals
- Research time using primary and secondary resources

Day 4 – *Persistence*

- How does one overcome obstacles along with way?
 - Funding of education
 - Build a network
 - Gain experience before working
 - Develop leadership skills
- Find a mentor – someone who believes in you and can be your guide and sounding board.
- Bring in mentors who can talk to the students one-on-one
- Become your best advocate. Build a case sharing your interest, the path you plan to take to pursue it, your long-term goal, and introduce your mentor.
- Project time

Day 5 – *Commencement*

- Team activity that will explore the role of pioneers.
- Define how you might be a pioneer one day.
- Finish up project work.
- Practice presentation
- Welcome parents
- Presentations
- Commencement exercises with mentors and parents

