

AIRPORT DESIGN CHALLENGE

Paved Surfaces Student Workbook

Take a few moments to review the information on the Paved Surfaces webpage and follow along in this workbook as you complete the content online. It doesn't include everything – just the things you need to work on!

Have questions or comments? Please contact the Airport Design Challenge team at avsed.challenge@faa.gov.





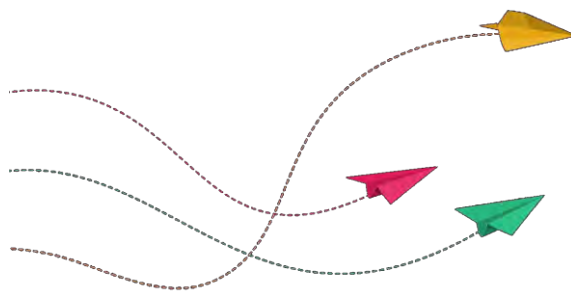
Paved Surfaces Planning Questions

1. **What scale have you chosen for your airport?** _____
2. **Airport Layout Plan Part 1** – Use the space below or a separate sheet of paper to draw your initial airport layout plan! Include the dimensions of your paved areas and be sure to convert them to blocks based on your selected scale!

Next Steps...

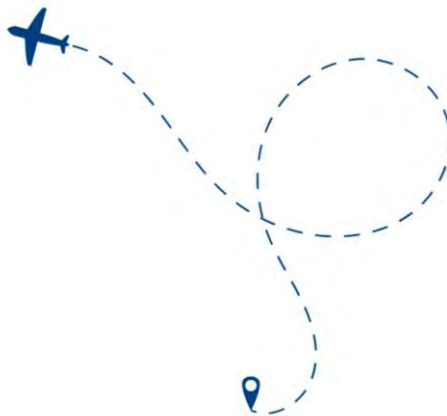
- Test your knowledge with the Paved Surfaces Quiz!
- Build your paved surfaces in Minecraft!
- Move on to Module 2: Safety & Security!

Let's build, learn, and fly together!



Check Your Knowledge! Paved Surfaces Quiz

1. What kind of things do people have to think about when choosing a place to build an airport?
 - Distance from large hills, other buildings, waterways, and other obstacles.
 - The kinds of aircraft that will use the airport.
 - The amount of flat land space needed for the runway and other surfaces or buildings on the airport.
 - All of the above.
2. True or False? All airport runways are made of concrete, no matter what.
 - True
 - False





Check Your Knowledge! Paved Surfaces Quiz – Answer Key

1. All of the above!

When selecting a location for an airport, it's crucial to take environmental factors into account. The proximity to large structures, other buildings, and waterways plays a significant role in the decision-making process.

2. False

Runways are constructed using a variety of materials. While some are crafted from concrete, others can be made from asphalt, grass, or even ice!

