



Innovation & Growth

Student Workbook

Take a few moments to review the information on the Innovation & Growth 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!

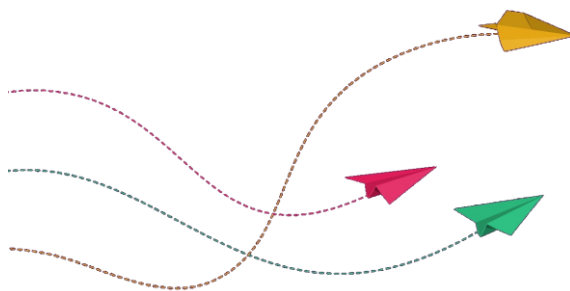
Have questions or comments? Please contact the Airport Design Challenge team at avsed.challenge@faa.gov.



Next Steps...

- Get your Airport Layout Plan from Module 4 and add your big ideas! Consider if your airport is growing and will need more room. Think about trends in aviation and what your airport may need for advanced air mobility or new technologies.
- Test your knowledge with the Innovation & Growth Quiz!
- Add your innovations in Minecraft!
- Move on to Module 6: Putting It All Together!

Let's build, learn, and fly together!





Check Your Knowledge! Innovation & Growth Quiz

1. Innovation is:
 - A new idea, method or device.
 - The introduction of something new.
 - Change that creates new efficiencies in performance or function.
 - All of the above.
2. What are some areas of the airport that can be 100% automated? Select all that apply.
 - Local transit on the airport.
 - Food service.
 - Security.
 - Baggage Handling.



Check Your Knowledge! Innovation & Growth Quiz – Answer Key

1. All of the above.

Innovation, for its part, can refer to something new or to a change made to an existing product, idea, or field.

2. Local Airport Transit & Baggage Handling

Some jobs at an airport could be done by machines instead of people. For example, moving passengers around the airport and handling luggage could be automated. Machines could help bags get to the right plane on time and help people travel more smoothly, with fewer mistakes.

Other jobs are harder for machines to do. Things like making and delivering food or keeping the airport secure often need people. These jobs require human thinking, decision-making, and the ability to handle surprises. Because of this, it may be difficult or impossible to fully automate these services.

