



# AIRPORT DESIGN CHALLENGE

# 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!

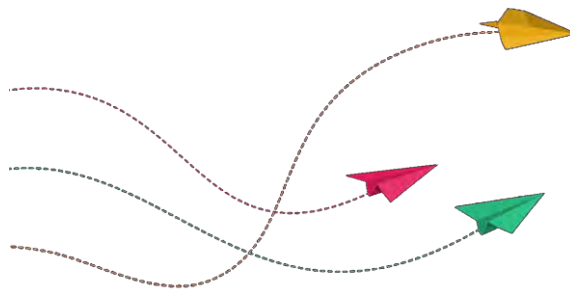
**Have questions or comments?** Please contact the Airport Design Challenge team at [avsed.challenge@faa.gov](mailto:avsed.challenge@faa.gov).



## 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

Local airport transit and baggage handling are two areas that could be completely automated, providing efficiency and reducing human error. Automated systems could streamline the movement of passengers and luggage, ensuring timely and accurate delivery.

However, services like food delivery and security present greater challenges due to their complexity and the need for human judgment and interaction. Automating these services might be nearly impossible, as they require nuanced decision-making and the ability to adapt to unexpected situations.

