



NASA Employee Panel Logic Puzzle

Recently, three NASA employees visited NASA Headquarters in Washington, DC, to meet with some students and talk about their jobs. On the stage in front of the students, Jorge stood in the middle with Sonia to the left and Xander to the right (All directions are from the students' point of view.).

The NASA employees thought it would be fun to see how well the students could figure out where they worked, on what NASA programs they were working and what their particular jobs were. They gave the students the following six statements. Can you figure out each employee's information?

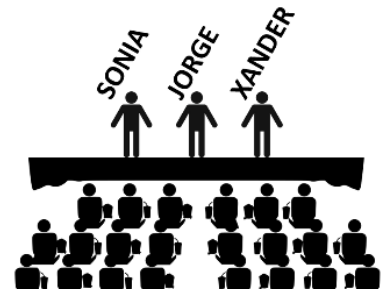


Figure 1. Employees on stage Credit: Pixabay (modified)

Each employee works at a different NASA facility, works on a different NASA mission and has a different job.

The facilities include:

- NASA's Armstrong Flight Research Center in Edwards, California
- NASA's Glenn Research Center in Cleveland, Ohio
- NASA's Langley Research Center in Hampton, Virginia

The missions include:

- Advanced Air Mobility (AAM)
- Electrified Aircraft Propulsion (EAP)
- X-59

The jobs include:

- Engineer
- Manager
- Scientist

1. The engineer does not work at Langley.
2. The employee who works at Armstrong is seated somewhere to the right of Sonia.
3. The scientist is not sitting in the middle.
4. The employee working on the EAP program works at Glenn.
5. The employee who works at Glenn is seated directly to the left of the scientist.
6. Xander is not working on the AAM program.

				LOCATION			JOB			MISSION		
				ARMSTRONG	GLENN	LANGLEY	ENGINEER	MANAGER	SCIENTIST	AAM	EAP	X-59
EMPLOYEE	EMPLOYEE			Sonia								
				Jorge								
				Xander								
MISSION	MISSION			AAM								
				EAP								
				X-59								
JOB	JOB			Engineer								
				Manager								
				Scientist								

Background Information

Located nationwide, NASA's centers and facilities house equipment and personnel who work on aeronautics, space and much more. Each location specializes in supporting different aspects of NASA's missions. NASA Headquarters, located in Washington, DC, is where much of the agency's leadership works. Aeronautics, the aviation side of NASA, is primarily supported by Ames Research Center, Armstrong Flight Research Center, Glenn Research Center and Langley Research Center.

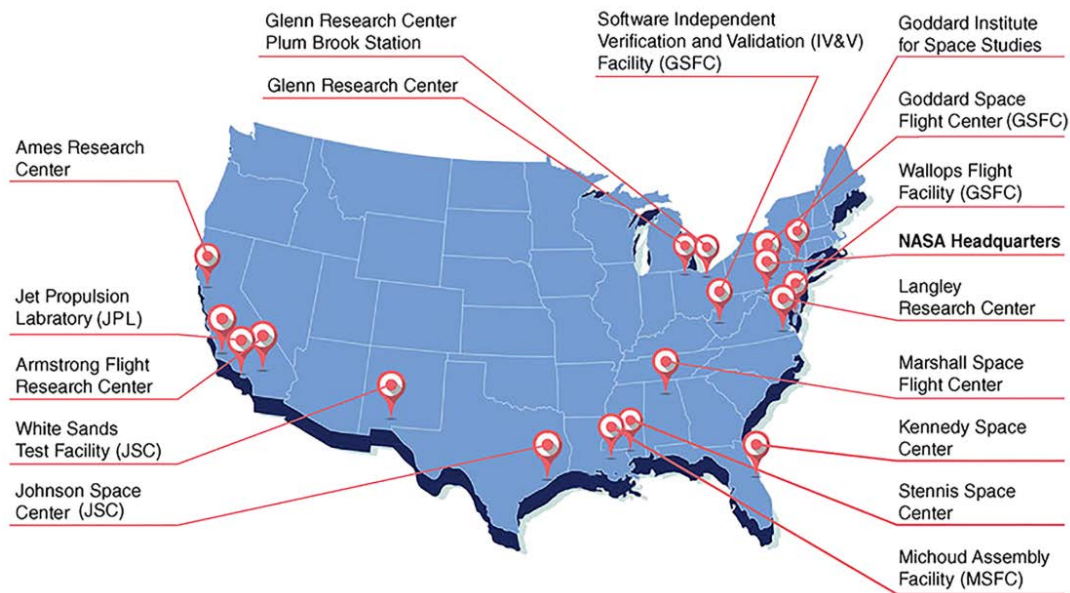


Figure 2. NASA centers and facilities

NASA has many missions related to aeronautics and space. As a result of the diverse missions, NASA employs people with many different skills. Besides scientists and engineers, you can find artists, writers, accountants, construction workers and just about any job you can imagine at NASA. So, no matter what you like to do, there's a good chance that NASA could use your talents!

Even within aeronautics, there are many different missions going on at the same time. For example, some of the current projects include:

- **Electrified Aircraft Propulsion (EAP):** NASA is working with industry partners to develop planes that can fly using electricity, thereby, lowering aircraft emissions and helping protect the environment.
- **X-59 or Low-boom Flight Demonstrator:** One of NASA's newest X planes, the X-59, is designed to fly faster than the speed of sound while producing much less noise than traditional supersonic aircraft.
- **Advanced Air Mobility (AAM):** NASA is leading the nation to quickly open a new era in air travel, which includes drones, flying taxis and more. The vision of AAM is that of a safe, accessible, automated and affordable air transportation system for passengers and cargo capable of serving previously hard to reach urban and rural locations.