

# Science Technology Engineering Mathematics

## STEM CAREER OF THE MONTH - June

### PILOT

#### What does a pilot do?

Pilots fly passengers or cargo on long or short-haul flights for leisure, business, military or commercial purposes. An aircraft is typically operated by two pilots; one will be the captain who is the pilot in command, while the other will be the supporting first officer. Pilots have sole control over their plane while it is in the air and responsibility for the safety of their passengers.



#### Day to day tasks

Generally, working with a co-pilot you'll:

- take turns to fly the plane or communicate with air traffic control
- work out the best route using weather reports and air traffic control data
- create a flight plan including details of fuel needed and the height you'll need to fly
- carry out pre-flight checks of instruments, engines, fuel and safety systems
- brief the cabin crew
- take instructions from air traffic control
- follow procedures during take-off and landing to cut down noise pollution
- check data during the flight and adjust the route where necessary
- tell passengers and crew about journey progress
- write reports about in-flight issues

#### Working environment

You may need to wear a uniform.

You could work on an aircraft.

Your working environment may be cramped, physically demanding and you may spend nights away from home.