

# AIRSPACE WORDS CHALLENGE



Ages: 7 -11 years

Skills needed: Critical thinking, problem solving



Rishi

Airspace Manager

## Task A

Can you match up the 15 airspace definitions with their words?  
For each question, there are 5 words and 5 answers.

Once you're done, check if you have matched the words and definitions up correctly on page 3.



1

1 Flight Path

2 Stack

3 Landing

4 Approach

5 Take Off

A When a plane finishes its journey and touches down on the runway

B The part of the plane's journey where it is preparing to land by lining up with the runway

C The planned route of a plane

D When a plane starts its journey and leaves the runway

E Multiple planes that are waiting to land are held in this to delay them, as only one plane can land at once.

2

1 Control tower

2 NATS

3 Pilot

4 Plane

5 Wheels

A The parts of the plane that are important in taking off and landing. They support all the planes weight when not in flight

B The person that flies the plane

C A tall building at an airport which controls the movements of planes on the runway and those in the air close to the airport

D The mode of transport that allows people to fly across and between countries

E Stands for National Air Traffic Services. The people that sit in the control tower and give instructions to planes in the air and on the runway

3

1 Runway

2 Navigation

3 Route

4 Altitude

5 Descent

A The course you take to get from the start to the finish of your journey

B The height of a plane in the sky. Measured by how high you are from ground level

C When a plane moves closer to the ground. This happens during the process of landing

D A strip of smooth ground that planes land and take off from

E The process of working out where you are and which route to take

Rishi  
Airspace Manager



I have another task  
for you!

#### KEY CONSIDERATIONS



- Have you included Heathrow's 2 runways?
- Have you got planes flying in the air and parked on the ground?
- Have you included people and buildings?



#### Task B

Can you draw a picture of the airfield, including as many of the airspace definitions as you can.

For example, when you draw a plane, make sure you add the pilot and label them.

Be as creative as you like, the more colour the better!



## Answers

Word	Definition
Flight Path	The planned route of a plane
Stack	Multiple planes that are waiting to land are held in this to delay them, as only one plane can land at once.
Landing	When a plane finishes its journey and touches down on the runway
Approach	The part of the plane journey where it is preparing to land by lining up with the runway
Take Off	When a plane starts its journey and leaves the runway
Control Tower	A tall building at an airport which controls the movements of the planes on the runway and those in the air close to the airport
NATS	Stands for National Air Traffic Services. The people that sit in the control tower and give instructions to the planes in the air and on the runway
Pilot	The person that flies the plane
Aircraft	The mode of transport that allows people to fly across and between countries
Wheels	The part of the plane that is important in taking off and landing. They support all the planes weight when not in flight
Runway	A strip of smooth ground that planes land and take off from
Navigation	The process of working out where you are and which route to take
Route	The course you take to get from the start to the finish of your journey
Altitude	The height of a plane in the sky. Measured by how high you are from ground level
Descent	When a plane moves closer to the ground. This happens during the process of landing

