

Above and Beyond

Some Additional LUV For You!

FLIGHT ROUTE

Where You'll Go Today



Your Pilot and/or Teacher may choose to have you complete these additional activities.

- You will learn how a Pilot communicates when they are at work by practicing hand signals unique to aviation.
- You will learn how a Pilot 'spells' – it's different than you think!



CRUISE – WITH HAND SIGNALS

Optional - Communication Activity 1

Imagine you are in a completely empty classroom (no phones, walkie-talkies, pencils, etc.) with the doors and windows closed and your friend is outside, on the other side of the playground (with a window between you two). Your friend needs to give you directions. Can you think of a way you might still be able to communicate? How about hand signals?

Every time your Pilot lands, they are in this situation. Using hand signals from a Ramp Agent on the ground, they safely maneuver the airplane into its parking spot. Today you will learn the hand signals your Pilot uses every day!

Directions: Break into groups of two. Using the hand signals below; pretend you are a Captain and a Ramp Agent, practice taxiing (driving) around the ramp. Make sure the Captains hold their arms out like airplane wings!

Ready To Assume Guidance

Hands held at approximately eye level or above.



- The Ramp Agent is assuming directional control of the airplane.
- The safety zone is clear of obstacles.

Taxi Straight Ahead

Hold wands facing the airplane, elbows bent 90°. Move both arms backwards and forwards together.



- The Ramp Agent is telling the Captain to steer the airplane straight.

Turn Left

Hold right arm outstretched to the side and keep it stationary. Bend left elbow 90°, move it backwards and forwards.



- The Ramp Agent is telling the Captain to steer the airplane to the left.

Turn Right

Hold left arm outstretched to the side and keep it stationary. Bend right elbow 90°, move it backwards and forwards.



- The Ramp Agent is telling the Captain to steer the airplane to the right.

Aircraft Approaching Stop Mark

Slowly bring the wands upward and inward to indicate the distance between the stop mark and the nose gear.



- The Ramp Agent is telling the Captain how quickly the aircraft is approaching the stop mark.

Smooth Stop

Cross the wands just above eye level.



- The Ramp Agent is telling the Captain to bring the aircraft to a smooth stop.

Stop Engines

Move the left hand across the throat.



- The Ramp Agent is acknowledging the Captain has told them the aircraft engines are off.

Set Parking Brake

Hold right arm parallel to the ground above head until 'brake set' signal from the Captain. Then acknowledge with a clenched fist.



- The Ramp Agent acknowledges the Captain has set the aircraft parking brake.
- It is safe to move around the aircraft.



CRUISE - WITH THE PHONETICALPHABET

Optional - Communication Activity 2

Have you ever tried to spell a word out loud and been misunderstood? 'E' sounds like 'C' sounds like 'V' sounds like 'GEE' this is hard! Today you are going to learn how to avoid these misunderstandings by learning how to 'spell' with the Phonetic Alphabet!

PHONETIC ALPHABET

- *The Phonetic Alphabet: a set of words used to identify the letters of the alphabet in voice communications.*
- The Phonetic Alphabet was adopted in the mid 1900's to ensure that when something was spelled, the letters can be pronounced and understood, regardless of language barriers or the quality of the communication equipment.
- Today, Pilots, Air Traffic Controllers, Police Departments, Fire Departments, and all branches of the United States Military, use the Phonetic Alphabet to guarantee the accuracy of their communications.
- To use the Phonetic Alphabet, you say the universal word instead of the individual letter. For example; if you want to spell Ben, you would say, 'Bravo', 'Echo', 'November' instead of B,E,N. It's like talking in code.



A B C D E F G H I
Alpha Bravo Charlie Delta Echo Foxtrot Golf Hotel India

J K L M N O P Q R
Juliet Kilo Lima Mike November Oscar Papa Quebec Romeo

S T U V W X Y Z
Sierra Tango Uniform Victor Whiskey X-Ray Yankee Zulu

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BACK COVER