

Scratch Interactive Lesson: The Astronaut and the Alien

Objective: Create a playful mini adventure where an astronaut explores space, meets an alien, and they discover treasure together!

Step 1: Set the Scene

Open Scratch. Add an Astronaut sprite and an Alien sprite. Choose a Space backdrop (like Stars, Moon, or Galaxy). Optional: Add a Treasure Chest sprite.

Step 2: Make the Astronaut Float

On the Astronaut sprite: when green flag clicked forever change y by 2
wait 0.2 seconds change y by -2 wait 0.2 seconds.

Step 3: Make the Alien Move Around

On the Alien sprite: when green flag clicked forever glide 2 secs to random position.

Step 4: First Contact Dialogue

Astronaut: if touching Alien say 'Hello! Who are you?' for 2 seconds. Alien: if touching Astronaut say 'I am your new friend from space!' for 2 seconds.

Step 5: Find the Treasure

Astronaut: if touching Treasure Chest say 'Wow, treasure!' for 2 seconds
play sound cheer. Alien: if touching Treasure Chest say 'Let ' s share it
together!' for 2 seconds.

Step 6: Add an Ending

Both Astronaut & Alien: repeat 10 turn 15 degrees wait 0.2 seconds. Add background music from the Stage (choose 'space' or 'celebration').

Step 7: Share the Adventure

Press the green flag and watch the story unfold. Who reached the treasure first—the Astronaut or the Alien?

Reflection Time!

- Did the Astronaut meet the Alien before or after finding the treasure?
- What special effect did you add to make your story unique?
- If you could add another sprite, what would it be (spaceship, planet, robot)?