

Scientific Method Activity

ALIEN INVASION

This activity is a great introduction to scientific method and experimental design. It can be used at all levels and teaches students to look for evidence that backs a claim and provide their reasoning. This activity has been modified from several different activities.

Place the aliens in the following format:

1. These are always found with another alien
2. These are always around the edges of the room.
3. These are always on the floor.
4. These are found in singles, doubles, and triples. Singles are in the front of the room, doubles in the middle, and triplets are in the back of the room.

For each of the aliens, you want to print at least a dozen of each “type” of alien and use different colors for each alien.

Begin by telling students that invaders have taken over our room. We do not know much about them, as they have not been observed before. However, they appear to be harmless, and we need to observe them to learn more about them. As scientists, you and a partner will walk around the room and make observations about the invasion. Your goal is to understand and describe trends/patterns you see. In doing this, you will need to make a claim about the invaders and give evidence to support your claim.