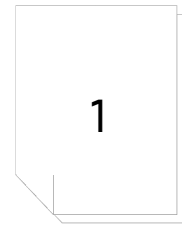




Paper Airplane Activity Task Card Practice (Teacher)

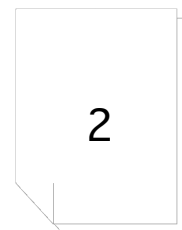


OBJECTIVE: To introduce students to the task card concept of following a set of step-by-step instructions. This same concept will be used frequently throughout the students' mission at the Challenger Learning Center.

- PROCEDURES:**
1. Divide students into pairs. In each pair assign one student to be Mission Control (MC) and the other to be Space Station (SS).
 2. Give the MC student the MC task cards and one copy of the airplane pattern, a pencil and a post-it



Paper Airplane Activity Task Card Practice Continued (Teacher)



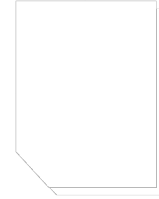
3. Give the SS student the SS task card and one copy of the airplane pattern, a pencil and a post-it note.
4. Students should sit back to back and may need access to a desk or flat surface.

MATERIALS:

- 1 set MC task cards
- 1 set SS task card
- 2 paper airplane patterns
- 2 pencils



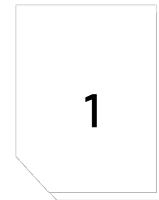
Paper Airplane Activity Task Card Practice Continued (*Space Station*)



1. Sit with your back to your partner.
2. You should not be able to see your partner (MC) working on the pattern.
3. You will be receiving instructions from your MC partner.
4. When all instruction has been understood and completed, say “**check.**”
5. On a piece of paper record your prediction for how long it will take your team to construct a paper airplane.



Paper Airplane Activity Task Card Practice (*Mission Control*)



1. Sit with your back to your partner.
2. You should not be able to see your partner (MC) working on the pattern.
3. You will be giving most of the instructions.
4. Your partner will say “**check**” when the directions have been received and completed.
5. On a piece of paper record your prediction for how long it will take your team to construct a paper airplane.



Paper Airplane Activity Task Card Practice Continued (Mission Control)

2

Read the following instructions to your space station partner:

1. Lay the pattern with side "A" facing up. "A" should be placed at the 12:00 position. "A" should remain up and in this position for the construction.
2. Fold up along line 3. It will serve as a center guide. Open the paper.
3. Fold up along lines 1 and 2. Edges A and B should touch line 4.

GO TO THE NEXT TASK CARD



Paper Airplane Activity Task Card Practice Continued (Mission Control)

3

4. Fold up along line 5. Bring edge C in to touch line 3.
5. Fold up along line 6. Bring edge D in to touch line 3.
6. Fold up along line 8. Bring edge E in to touch line 3.

GO TO THE NEXT TASK CARD



Paper Airplane Activity Task Card Practice Continued (Mission Control)

4

7. Fold up along line 9. Bring edge F in to touch line 3.
8. Turn the paper over so two *'s face up.
9. Fold along line 3 so *'s touch.
10. Open the plane's wings so *'s touch and lines 8 and 9 on the bottom are visible.

**Congratulations! You have constructed the plane --
record the time**



Paper Airplane Activity Task Card Practice Continued (Mission Control)

5

DISCUSS THE FOLLOWING WITH YOUR SPACE STATION PARTNER:

1. What was the difference between the predicted time and actual time?
2. Discuss difficulties/problems and your solutions.
3. Suggest how this activity can be improved.
4. Clean up your stations and return all supplies.