

Paper Airplane Contest

Challenge # 1 ~ Furthest Distance (plane must travel past half court)

Challenge # 2 ~ Hit the Target (land at center court from 3 different locations)

Challenge # 3 ~ Stunts (boomerang or multiple loops)

Grading

Participating = 75%

Complete 1 challenge = 84%

Complete 2 challenges = 92%

Complete 3 challenges = 100%

Rules

- Your plane may only be powered by throwing it. No electronics, rubber bands, etc.
- You must have your own plane. No sharing between classmates.
- You may enter different planes into the different challenges.
- Your plane's body must be made out of paper.
- You may have non-paper accessories.
- You will have a maximum of three tries to complete each challenge.

Bernoulli's Principle ~ When you increase the speed of a fluid, the pressure decreases.

Newton's First Law (Inertia) ~ An object at rest will stay at rest (and an object in motion will stay in motion) unless a force acts on it.

Newton's Second Law ($F = m \times a$) ~ An object with more mass will require more force to get the same amount of acceleration.

Newton's Third Law ~ For every action, there is an equal and opposite reaction.