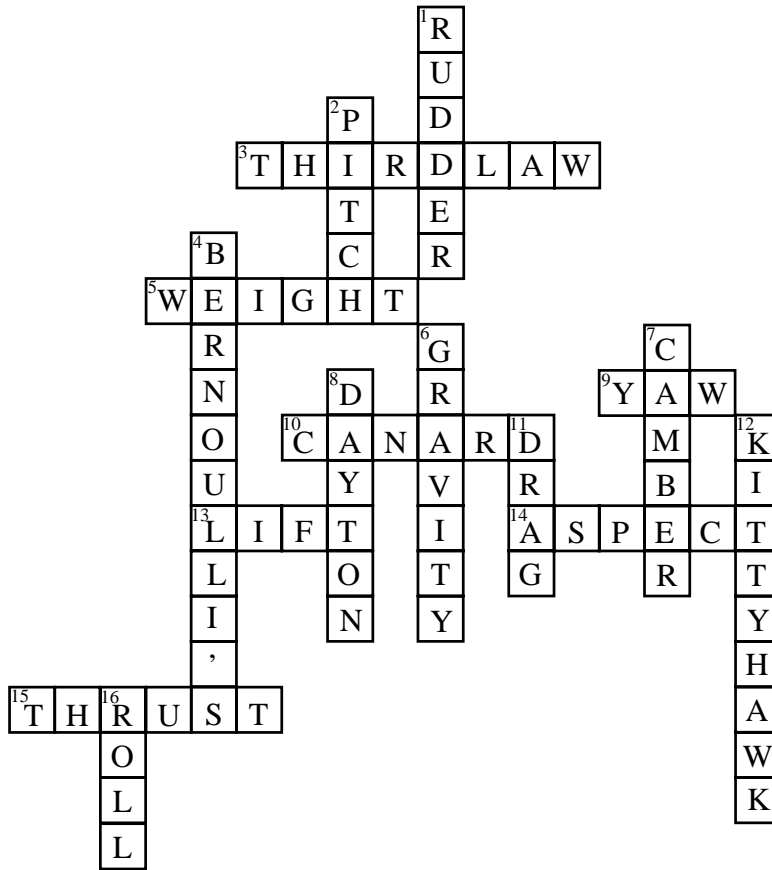


SCIENCE ACTIVITY

ANSWER KEY

Crossword Puzzle



Across

3. Newton's _____; for every action force there is an equal and opposite reaction force
[**Third Law**]
5. A force that pulls an aircraft toward the ground; acts against the force of lift in level flight [**weight**]
9. The twisting motion as the nose of a plane turns left or right [**yaw**]
10. _____ glider; the configuration of the Wright brothers' glider, which featured a small wing ahead of a large wing [**Canard**]
11. A force that pushes perpendicular to the direction of movement [**lift**]
14. _____ ratio; the relationship between the span (length) of an airfoil and its chord (the distance from front to back of the wing) [**aspect**]
15. A force that pushes or pulls an aircraft through the air; acts against the force of drag [**thrust**]

Down

1. A movable, vertical surface that pivots back and forth to control yaw [**rudder**]
2. The tendency of a plane's nose to move up or down [**pitch**]
4. _____ Principle; the pressure exerted by a fluid (such as air) decreases as the velocity of the fluid increases [**Bernoulli's**]
6. Center of _____; the point at which a plane will balance [**gravity**]
7. The curvature of a wing [**camber**]
8. Birthplace of Orville Wright and home to both Wright brothers [**Dayton**]
11. A restraining force parallel to the direction of movement; acts against the force of thrust [**drag**]
12. Location of the Wright brothers' first successful flight [**Kitty Hawk**]
16. The tilting motion of the airplane when one wing rises or falls in relation to the other [**roll**]