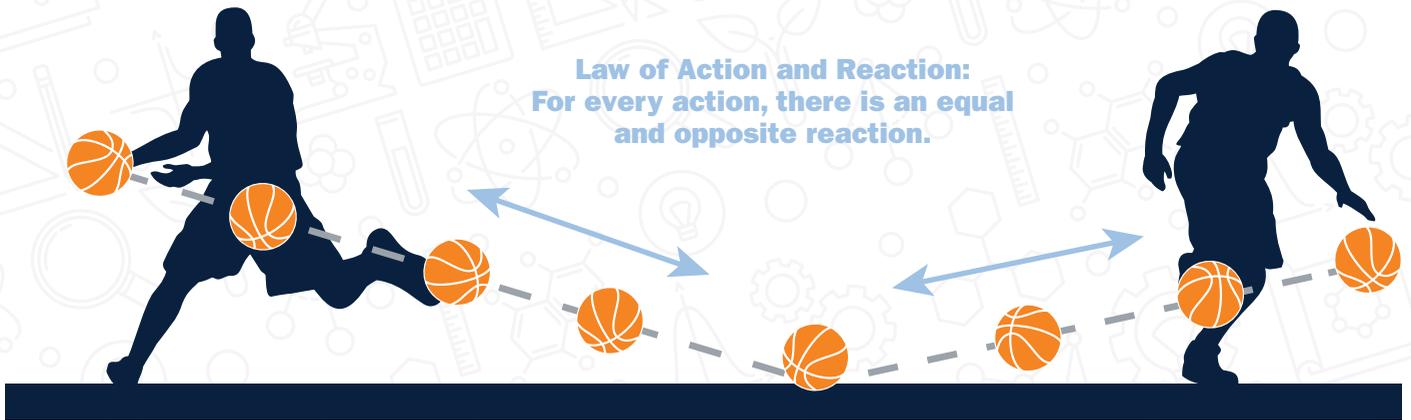




# Basketball: Physics of Ball Handling

**Activity:** Force and momentum are crucial in ball control while dribbling and passing a basketball. Complete the activities below and record your observations.



| Dribbling  | Obstacle Course   | Passing  |
|--|---|--|
| <p>Dribble a basketball while standing in one place using different amounts of force. Write your observations.</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> | <p>Dribble a basketball through an obstacle course using different amounts of force. Write your observations.</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> | <p>Pass a basketball with a partner using a bounce pass. Write your observations of the ball's speed, direction, and spin.</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> |

1. How do the type of surface and the player's hand position on the ball influence control? \_\_\_\_\_

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2. How do force and momentum affect the ability to change direction while dribbling? \_\_\_\_\_

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