

*The Great History of*

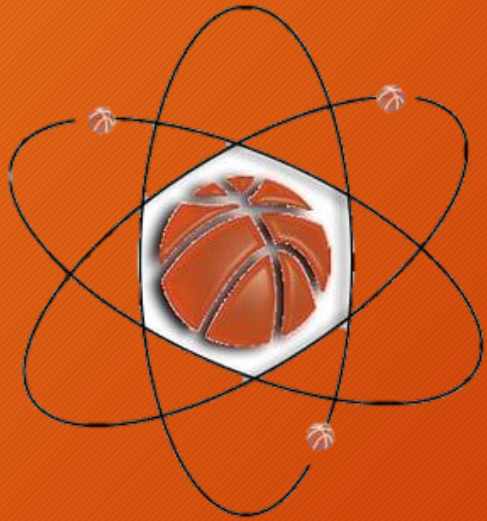
*Ball* **B** *Projectile* **A** *Time* **S** *Innovation* **K** *Science* **E** *Agility* **T** *Hoop* **B** **A** **L** **L**



# *How is Basketball related to Science?*



- **Basketball** is a sport that is deeply connected with science. From the design of the ball, to the player's shoes, science plays a crucial role in its development.
- Let us explore the **history of basketball** and the **science** behind this sport.





# *The Greatest Of All Time*



- In 1891, **James Naismith**, the inventor of basketball, **used peach baskets** for the first game. However, the baskets had no holes, and the ball had to be retrieved manually after every basket.
- The first basketball hoop was developed in 1893 by Melvin B. Simpson, who attached an iron hoop to a backboard. This innovation allowed for faster gameplay and reduced the time needed to retrieve the ball after each basket.



# *The Early Years of Basketball*



- It was marked by the use of a **soccer ball** as the primary ball for the game.
- However, in the early 1900s, the first basketball was designed by **A.G. Spalding**. Spalding used scientific principles to design a ball that would bounce consistently, making it easier for players to handle and shoot. He achieved this by using a rubber bladder encased in leather, which provided the ball with a consistent bounce and allowed for better ball control.





# *The First Basketball Shoes*



- The development of basketball shoes has also been influenced by scientific advancements. In the early years of the sport, **players wore basic canvas shoes with rubber soles.**
- However, **Nike** created the first basketball shoe with a rubber sole in the 1960s, which provided improved traction and grip on the court.
- New materials and technology, including as air cushioning and lightweight synthetic fabrics, have also resulted in the development of basketball shoes that provide better support and protection for players' feet.



***EVOLUTION***



***EVOLUTION***



# *How is Basketball related to Technology?*



- The use of technology has also had a significant impact on the sport of basketball. In recent years, advances in technology have enabled the collection and analysis of vast amounts of data, which has led to the development of new statistics and analytics.
- This data is used by coaches and players to analyze their performance and identify areas for improvement.



<https://www.wsj.com/articles/nba-technology-coaches-are-computers-11563478009>



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# *Conclusion*



- The history of basketball has been closely related to scientific advancements. From the design of the ball to the shoes worn by players, science has played a crucial role in the evolution of the sport.
- The use of technology has also allowed for the collection and analysis of data, leading to new statistics and training methods. As the sport continues to evolve, it is likely that science and technology will continue to play an essential role in its development.



**BASKETBALL**



**SCIENCE**



**TECHNOLOGY**

## Credits and References



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***THANK YOU FOR LISTENING!***



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