



Physics in everyday life



LEARNING OBJECTIVES

- Understand the application of physics in everyday life
- Recognise the importance of physics in modern technology
- Explore how social networks can be used to learn and share knowledge about physics

MATERIALS NEEDED

- Whiteboard and markers
- Projector and screen
- Handouts
- Internet access
- Social media accounts (optional)

LEARNING SCENARIO AND ACTIVITIES PROPOSED

1) Introduction (10 minutes)

Introduce the topic of physics in everyday life and why it is important. Then, ask students to brainstorm examples of physics in their daily lives. Finally, write down their responses on the whiteboard.

2) The Importance of Physics (20 minutes)

Use the projector to show a presentation on the importance of physics in modern technology. Discuss the role of physics in fields such as medicine, transportation, communication, and energy. Then, ask students to provide examples of how physics has improved these fields.







3) Social Networks and Physics (30 minutes)

Discuss how social networks can be used to learn and share knowledge about physics. Ask students to create social media accounts (if they don't already have them). Provide them with a list of physics-related accounts to follow and discuss their importance. Assign them to follow at least one account and share a post related to physics with their followers.

4) Physics in Action (30 minutes)

Show videos or images that demonstrate physics principles in action, such as a roller coaster or a satellite launch. Use some ideas for the videos from our <u>Project Website</u> <u>SubscribED</u>. Discuss the physics behind these phenomena and how they are relevant in everyday life.

EXPECTED DIFFICULTIES AND PROPOSED SOLUTIONS

- Lack of interest in physics.
 Solution: use real-life examples to demonstrate the importance of physics and its relevance to everyday life.
- Difficulty using social media.
 Solution: provide guidance and support to students unfamiliar with social media platforms.

ASSESSMENT

- Ask students to write a short reflection on what they learned about physics in everyday life and how they can apply this knowledge to their daily lives.
- Evaluate their social media posts based on the accuracy and relevance of the information they shared.

ADDITIONAL INFORMATION

- Encourage students to keep learning about physics by following more physicsrelated social media accounts.

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- Provide resources to students who want to explore physics further, such as books, websites, and videos.

BIBLIOGRAPHY

- Griffith, W. T. (2005). The physics of everyday life. Physics Today, 58(4), 39-44. Retrieved from

https://www.physics.utoronto.ca/~jharlow/teaching/everyday05/materials.htm

