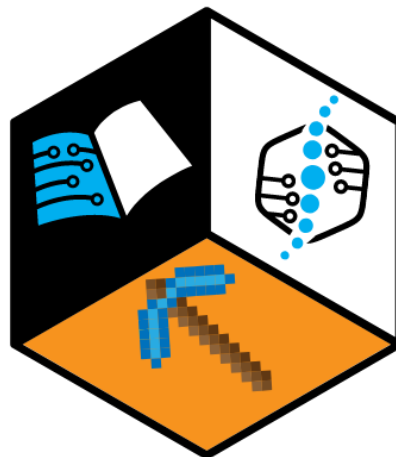


MODULE 5: NANOTECHNOLOGY IN OUR LIVES

RESULT: R1/T1.3. LESSON PLAN



NANOWARE

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Lesson Information

Title: NANOTECHNOLOGY IN OUR LIVES

Subject: Exploring Nanotechnology's Daily Applications

Grades: 9-12

Brief Description: Students will learn the applications of nanotechnology in everyday objects that everyone uses.

Objectives: Students will be able to:

- Learn more about nanotechnology.
- Learn about Nanotechnology's daily applications.
- Teamwork

Duration: 90 minutes

Lesson Procedure

This lesson will help students to understand where nanotechnology is applied through everyday objects. In the beginning, you can discuss to see if they have some knowledge, what objects they think nanotechnology is applied to and they will be surprised by the objects they have in their houses and even their rooms. To give students a better idea, the first activity proposed is an introductory video on nanotechnology.

Activity 1: What is nanotechnology?

Materials Needed

Computer and internet access

Activity Procedure

You can show students an introductory video about what nanotechnology is. You can automatically add subtitles in your mother language or help the students by explaining the video. You can find the video here: <https://www.youtube.com/watch?v=DAOFpgocfrg&t=189s>

Activity 2: Let's find it!

Materials Needed

- Printed photos

Activity Procedure

You will divide the students into groups. You can print photos of objects to which nanotechnology is applied like Sunglasses, sunscreen, clothing, furniture, tennis ball, and computers. At the same time, you will print photos of unrelated objects. You will mix them up and have the children in groups choose the objects to which the nanotechnology is applied. The fastest team wins!

Activity 3: Run and find!

Materials Needed

Everyday objects

Activity Procedure

You will divide the students into groups. You will give them a few minutes and they will have to look for the objects to which nanotechnology is applied. Examples of such objects are Sunglasses, sunscreen, clothing, furniture, tennis ball, and computers.

Therefore, be sure to bring with you objects that are not in the classroom. It is a simple activity, but it will help children to understand more about nanotechnology through simple everyday objects.