



Lesson Plan - Physics

Topic/Subject: Introduction to Arduino (UNO and IDE)

Target Group: 9th grade students

Objectives:

Obj1. Raising student motivation and awareness through usage of modern technology

Obj2. Stimulating cognitive curiosity

Obj3. Developing microcontroller programming skills

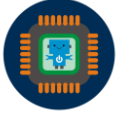
Approach/Methodology used: lecture, presentation, discussion, demonstration

Means/Tools/Educational technology

Projector, Arduino UNO x1, Internet,

Plan for work

Time	Activities	Methods/ means
5 minutes	Explaining what Arduino is	Lecture
5 minutes	Asking students whether they have heard about Arduino	Discussion
10 minutes	Explaining components of Arduino UNO board	Lecture/Presentation
5 minutes	Showing the Arduino UNO board to the students	Demonstration
10 minutes	Explaining what Arduino IDE is	Lecture/Presentation
10 minutes	Explaining the wide usage of Arduino-based devices	Lecture/Presentation
5 minutes	Showcasing various Arduino projects	Presentation



ROBOSTEM Project

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Assessment/Feedback:

The assessment is based on how active the students are during the presentation, how many questions they ask and how interested they are in this specific area of knowledge.

Bibliography:

<https://create.arduino.cc/projecthub>