

# STEM Education for Sustainable Development



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## Green Architecture

### Creating the smart school, house and building of the future

Teaching subjects are Biology, Geography and Technical culture

#### Correlation of topics and teaching contents:

- sustainable development
- renewable energy sources
- nature preservation
- climate changes

#### Objectives of the project:

- creation of model for the school, house and building of the future

#### Suggested solutions:

- use of renewable energy sources
- separation and recycling of waste
- reduction of climate change, pollution and environmental protection



Figure 1 Model of the school of the future



Figure 2 Model of the house of the future



Figure 3 Model of the building of the future

### Conclusion: Educational outcomes

- Increase awareness about environmental
- Advocate actively for reduction climate change
- Develop environmental awareness, digital skills and creativity
- Enhance teamwork skills
- Advocate actively for social changes



Scan me



Logo 1



Logo 2



Logo 3