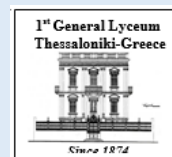


26. Artificial intelligence



Title	Artificial intelligence
Content/ Subject areas	Mathematics, Physics, Engineering, Information Technology
Target group: age range and size of the group	16-17 years old students
Learning objectives / competences	To learn what artificial intelligence means, when and where it was invented and its applications in science and in everyday life.
Description of overall activity	The creation of a model robot which will execute basic orders
Description of the process and teaching/ learning strategies used	<ul style="list-style-type: none"> • Ask students to establish groups of 5 people and undertake roles. • Explain to students their responsibilities: • The first group is responsible for finding information on the web • The second one is responsible for the construction of the model robot, following the principles of modeling • The third group is responsible for the programming of the model • Participation in a robotics competition, competing other schools
Evaluation/ types of assessment	The evaluation of results from the performance of the team in the competition
Materials and tools	Tools needed: computer network, Internet connection, modeling materials
Timing and learning environment	School, 4 months
Conclusion	Students acquired knowledge useful for University studies Cooperative learning Experience of model construction
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