

Full STEAM ahead for better education

Lesson plan MRS ARTEMI ANDRIANAKI

SIXTH GRADE / 12 years



Title/ Τίτλος: The secrets of the town castle

Aim/Στόχοι	Pupils use their pre-existing knowledge in solving everyday problems. Their knowledge is enriched through this process.
Tools I need/Εργαλεία	Maps, meter, vessels of a various capacities, stationery, wooden sticks, rope, chemistry lab materials
Preparations/Προετοιμασία	Formation of working groups, tasks on measuring and making shapes, visiting the venue of action
What to do/ Δραστηριότητες	Making shapes out of a variety of materials and in a number of ways, comparing sizes virtually (using practical methods), reading a map, conducting simple chemistry experiments
What I get / results/ Αναμενόμενα Αποτελέσματα	Pupils realize that “problems” are solved even without paper and pencil. Also, life itself seeks application of knowledge in order to move on to new knowledge (EXPERIENCE ↔ KNOWLEDGE)

The STEAM approach/ Προσέγγιση STEAM:

S	Search/Ερευνώ	Which knowledge do I need to make it now?
T	Think/Σκέπτομαι	Let's now visualize the steps to get there.
E	Experience/Δοκιμάζω- Βιώνω-Εφαρμόζω	Will I make it to the end of the route inside the castle, by solving the riddle?
A	Active learning/ Ενεργητική Μάθηση	Let's cooperate, let's try out things, let's remind ourselves of pre-existing knowledge, let's put things in practice
M	Motivation/Κινητοποίηση	We'll go out of the classroom, we'll move our bodies, we'll have fun, we'll learn

Resources / Links:
Πηγές

6th Grade Pupil's Science Book, old town castle map