Full STEAM ahead for better education

Lesson plan

Sixth Class/ 12 Years

TEACHER: Mrs Vorria Matula 

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| **Title/ Τίτλος:**: The Capstan Well : When the wheel spins... |

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| Aim/Στόχοι | Measurements in space using measuring tape  Developing the skill of solving math problems and their application in everyday life |
| Tools I need/Εργαλεία | measuring tape, music (for drama/acting games) |
| Preparations/Προετοιμασία | Visiting the place, imaginary scenario, working groups, worksheets, drama/acting games |
| What to do/ Δραστηριότητες | measuring length, surface, volume – the principle of the interconnected pipes |
| What I get / results/ Αναμενόμενα Αποτελέσματα | The pupils become acquainted with basic mathematical principles and how people have made good use of these principles in their everyday life. They are also asked to provide solutions to problems |

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| **The STEAM approach/ Προσέγγιση STEAM:** |

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| **S** | Search/Ερευνώ | The pupils improve their mathematical skills |
| **T** | Think/Σκέπτομαι | They use strategies to solve a problem |
| **E** | Experience/Δοκιμάζω- Βιώνω-Εφαρμόζω | They get to know the Capstan Well , which in older times was a special way of irrigating the orchards in the area of ‘Kampos’ on Chios. |
| **A** | Active learning/ Ενεργητική Μάθηση | The pupils count, estimate and play |
| **M** | Motivation/Κινητοποίηση | The pupils present what they have learned through a drama/acting game  |

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| Ressources / Links:Πηγές |  |