A.S. 2017/18

PROGETTO CURRICULARE eTWINNING SCUOLA PRIMARIA

Titolo: Little STEMists

Insegnante referente progetto: Valenti Maria Grazia

Destinatari: classe IB e classe III A della scuola primaria Oberdan

STEM è un curriculum basato sull'idea di educare gli studenti in quattro discipline specifiche - scienza, tecnologia, ingegneria e matematica – con approccio interdisciplinare. Piuttosto che insegnare le quattro discipline come soggetti distinti e discreti, STEM li integra in un paradigma di apprendimento coeso basato sulle applicazioni del mondo reale.

Lo scopo principale di questo progetto è quello di rendere l'educazione STEM più rilevante e significativa per i nostri studenti in modi che rispettino le differenze di genere e la diversità culturale. Durante il progetto, indagheremo come studenti, genitori e insegnanti sono coinvolti e influenzati dalla scienza nella vita quotidiana, nell'ambiente progettato e nei programmi scolastici

A proposito del progetto

STEM is a curriculum based on the idea of educating students in four specific disciplines science, technology, engineering and mathematics in an interdisciplinary and applied approach. Rather than teach the four disciplines as separate and discrete subjects, STEM integrates them into a cohesive learning paradigm based on real-world applications.

The main aim of this project is to make STEM education more relevant and meaningful for our students in ways that respect gender differences and cultural diversity. During the Project, we will investigate how students, parents and teachers are engaging and affected by science in everyday life, designed environment and after school programs. Also we discover Scientix portal and learn how to use resources in our lessons.

OBIETTIVI

We need employees that are motivated, well prepared and trained now and in future. Especially the STEM area (Science, Technology, Engeneering and Mathematics) is important for the further developement of European Economy and wellfare. At the moment we have to face the problem that not enough young people choose the STEM area for studying and work. With our project we try to close this gap. We intend to interest our students for STEM topics and to motivate them to work for the further development of modern technologies. The other aims are:

- improving the study of scientific subjects
- fostering the basic and transversal skills, especially in maths and logics
- encouraging the auto-production of multimedia in science
- using philosophy as a tool not a subject

- acquire 21st century skills; critical thinking&problem solving; collaboration across network and leading by influence; agility and adaptability; initative and entrepreneurship; effective oral and written communication

PROCEDURA DI LAVORO

It will start with simple creations and will move on more difficult tasks. Every week, we will concentrate on a specific task and we will try to use it in our daily practice, involving different groups of students to measure the results, share and compare them.

RISULTATI ATTESI

At the end of the project we will have;

- descriptions, lists of materials

- teaching resources, worksheets, instructions etc.

- a webpage about project work and cooperation

-a digital magazine with reports made by the students, which will be presented also to the whole school.