Pedagogical Resources In Teaching Science, Technology, Engineering, Mathematics

Forecasting the impact of 3D printing technology: possibility, frequency and intensity of use as support in the teaching of mathematical and scientific skills


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EUROPEAN PARTNERS

- A.Berenini
- Kirkby Stephen Grammar School
- Gadda
- Sabanci
- Epalchanion
- Cisita
- Forma Futuro
- Danmar Computers
- AIJU
- Evropská rozvojová agentura

Fidenza, Italy;
Kirkby Stephen, UK;
Fornovo, Italy;
Adana, Turkey;
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Ibi (Alicante), Spain;
Prague, Czech Republic.
FOCUS ON THE STEM SYLLABUS

CROSS-CURRICULAR THINKING

FROM DIDACTIC INNOVATION TO INNOVATIVE DIDACTIC

EXPERIMENTAL LEARNING AND TANGIBLE RESULTS

COLLABORATION

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SUPPORT FROM TECHNOLOGY-ORIENTED PARTNERS

EUROPEAN TEAM WORK

TRANSFERABILITY AND REPLICABILITY OF RESULTS

NEW PERSPECTIVES
Biology

UNIT 1 – Structural and functional characteristics of prokaryotic and eukaryotic cells (animals and plants)

SKILLS: analysis of reciprocal, structural and dimensional relationship of cell elements, team work skill
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\[ F_P = V_s \cdot \rho_s \cdot g \]

\[ F_a = V_e \cdot \rho_{\text{H}_2\text{O}} \cdot g \]

\[ F_c = F_a - F_P \]
ASSESSMENT OF RESULTS
INCREASE IN MOTIVATION
PREVENTION OF SCHOOL DROP-OUT

\[ F_p = V_s \cdot \rho_s \cdot g \]
\[ F_a = V_e \cdot \rho_{H2O} \cdot g \]
\[ F_c = F_a - F_p \]
NEW TECHNOLOGIES
TECHNOLOGICAL UPDATE

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DIRECT EVALUATION
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