




*By creating bridges, we build solid structures*

*Applying STE(A)M in our school community*

My name is Foteini Syntychaki, and I represent the science teachers at our school and our students.





## Why?

We all watch our students move from classroom to classroom and from subject to subject on a daily basis, without really connecting all this new information they hear both with each other and with their own daily lives. Also, without being given the opportunity to apply the new knowledge in different contexts. As a result, tired teenagers end up devaluing school and considering it a waste of time that does not offer them anything meaningful for their lives. At the same time, teachers feel desperate as their effort is in vain.

The STEAM policy proposal I present to you has to do with changing this way of teaching and learning. It aims to create a different learning culture in our school, where through the cooperation of teachers in the fields of science, technology, engineering, arts, and mathematics will create a community that approaches knowledge holistically and creates an appropriate environment and also teaching material with which students through collaborative activities will approach knowledge actively and comprehensively through learning techniques through problem-solving, through projects and through case studies.



## *Who will benefit from my policy?*

Having felt the despair of the failed effort to educate teenagers when everything you come to teach seems indifferent and irrelevant to their needs, we all can imagine how different the atmosphere in our classrooms will be when groups of teenagers actively try to search for knowledge and combine cognitive objects in their own unique way. At the same time, teachers will feel the joy of working with their colleagues and the satisfaction of seeing their students become active communicants of knowledge.



## *Our plan...*

For the first move in this direction, we suggest the following to be done this school year:

1. An intensive training of 4 weeks of science, mathematics, engineering, arts, and technology teachers of the school with the realization of 4 two-hour training workshops. At the end of the training to plan the topics that will be taught with a STEAM approach and schedule the activities that will take place for the year.
2. Application of the methodology in all parts of the school unit during the year. A total of 3 projects for each class of the school unit will be worked on with this approach.
3. Survey of students' views using questionnaires/interviews.
4. Meeting of evaluation of actions and suggestions for improvement



## *Cost...*

The cost for the training and implementation of the approach is 5000 euros which will be used for:

- 1) Labor (internal staff)
- 2) Hardware, Software
- 3) External consultants
- 4) Administrative costs



## *Duration...*

As an initial effort, the program will last one school year and at the end there will be an evaluation and discussion of the strengths and weaknesses identified in order to make corrective moves before the next school year.

*Thank you for your  
attention*





Knowledge isn't power until it is applied

*Dale Carnegie*