

CTEM CIÊNCIA
TECNOLOGIA
ENGENHARIA
MATEMÁTICA
ACADEMY

Inspire today the leaders of tomorrow!

Inspiramos hoje os líderes de amanhã!

Who we are?



- Founded at the end of 2013, the CTEM Academy is a specialized education center in the STEM areas :

Science

Technology

Engineering

Mathematics

- We provide learning experiences directed to the development of specific skills that increase school success and future professional success.

What we do?



- Individual or group lessons
- Themed holiday camps
- Experimental activities Hands-on
- Themed birthday parties
- Teacher training courses
- Representation of products and brands related to education on STEM areas

How we do?



Research

<https://www.sciencebuddies.org/teacher-resources>
<https://www.microsoft.com/en-us/education/education-workshop/default.aspx>
<https://www.jpl.nasa.gov/edu/teach/tag/type/Classroom+Activity>



Selection

Attending to the age and schooling
Affordable (recycled or easy to buy) and safe materials
Activities that allow the playful exploration of concepts present in everyday life;
Children should be scientists and interact as much as possible;
Preferably, the experiments should be replicable at home.



Schedule

Alternately cover the various STEM areas
Inclusion of visits abroad (Ex.: museums, planetariums, temporary exhibitions, among others)



Promotion

Appealing presentation of the program, creating expectation without going into great detail
Dissemination through flyers and social networks



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How we do?



Website: www.ctemacademy.pt

Facebook: CTEM Academy

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Why is STEM so important?



- As our students will become citizens, they will bring with them the skills and knowledge they've learned.

Eg.: New medical discoveries, better infrastructure, more environmentally friendly technology, ...

- Not every student will go into a STEM career though but the skills STEM are skills for life.

Eg.: Our student's parents need mathematics knowledge to budget and bookkeep for the family, engineering to know how to fix things when they break, science to ask informed questions and figure out a procedure to get answers.

Why is STEM so important?



STEM skill's:

Problem solving

Inquiry skills

Creativity

Math & Science skills

Collaboration

Why is STEM so important?



- It's a Fun Education
- It's Very Hands-On
- It Challenges Students
- Students Can Play and Learn
- STEM Learning is Customisable

STEM education is a philosophy of education that embraces teaching skills and subjects in an a way that resembles real life

Some partners...



Universidade do Minho
Escola de Ciências

PREV*i*FORM




COLÉGIO
JOÃO PAULO II
Vitórias & Futuro



Braga
Media Arts

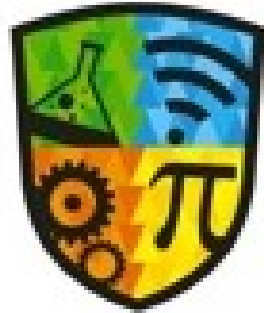
braga  **mob**
A PROFESSIONAL & CULTURAL JOURNEY



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