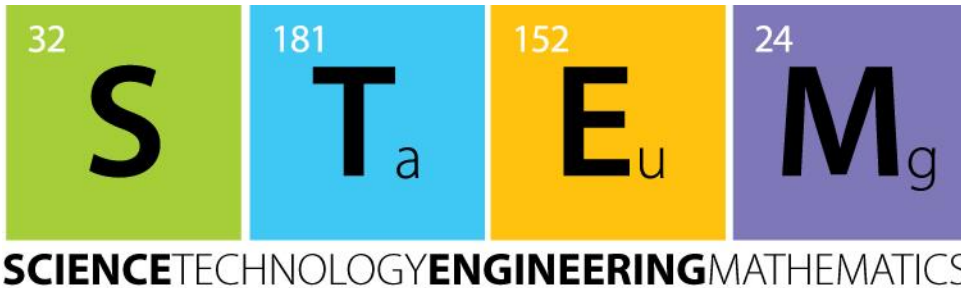


CENTER FOR STEM EDUCATION AT ANATOLIA COLLEGE



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Anatolia College

- A non-profit institution, located in Thessaloniki, Greece, with a history extending over 125 years
- “Anatolia”: refers to the east and the rising sun, captures the spirit of its founders, American missionaries
- Home to over 2,200 students from kindergarten through MBA (600 in primary education)
- Brings together the best Greek & American educational practices



Macedonia Hall



Anatolia Kindergarten

2011

- Water filter STEM activity
- STEM Family Day
(Candle Powered Boat)



Anatolia Kindergarten

2012- today

- Two Units in Physics-Chemistry – Biology
 - Electricity –Electric Circuits
 - Magnetic Separation-Antiseptics
 - Microorganisms through Microscopes



Anatolia Elementary

2015 (1st , 2nd , 3rd grades)

2h/ week – group of 25 students –STEM instructor and class teacher.

1st & 2nd grade-introduction in the Scientific Method (Scientists Observe- Measure- Conclude)

3rd grade – Environmental Issues (plastic vs paper bag- Recycling- Reusable cotton bag)



Anatolia Elementary

2016 (4th, 5th, 6th grades)

1h/week– group of 25 students –STEM instructor
and class teacher

Engineering

(simple group activities using everyday materials)

Engineering is the academic glue between science
and technology using math-Engineering design
steps and constructions



After School programs

2015 Kindergarten

a. Tiny Engineers

b. STEMath

1 h/week , elective, paid

Easy intro to basic science principles and math
under a different perception through activities



After School programs

2016 Elementary

- a. Young Engineers
- b. Design, Built and Program
- c. Robotics-Lego WeDo2.0

1,5h/week , elective, paid



After School programs

2018-2019 Kindergarten – Elementary

Immersion of various programs to a 1h for 3 days/week program

1st ,2nd grades: simple machines, gears, basic physics

3rd ,4th grades: motors, AC/DC, polarity

5th ,6th grades : sensors , algorithms, robots



Outcomes

- STEM activities are always exciting due to their playful character
- STEM activities capture the interest and curiosity while stimulating the creativity of young students.
- Students become very excited with Science and thus STEM fosters love for lifelong learning.