







With this newsletter we are going to present you some of the resources that we have developed! Let's go!

Chemical properties of group 2 and group 7 (17) elements

 CHEMISTRY
  17 yrs
  Advanced Supplementary (AS)
  4 hrs 20mins

2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
4 Be											5 B	6 C	7 N	8 O
12 Mg											13 Al	14 Si	15 P	16 S
20 Ca	21 Sc	22 Ti	23 V	24 Cr	25 Mn	26 Fe	27 Co	28 Ni	29 Cu	30 Zn	31 Ga	32 Ge	33 As	34 Se
38 Sr	39 Y	40 Zr	41 Nb	42 Mo	43 Tc	44 Ru	45 Rh	46 Pd	47 Ag	48 Cd	49 In	50 Sn	51 Sb	52 Te
56 Ba	* 71 Lu	72 Hf	73 Ta	74 W	75 Re	76 Os	77 Ir	78 Pt	79 Au	80 Hg	81 Tl	82 Pb	83 Bi	84 Po
88 Ra	* 103 Lr	104 Rf	105 Db	106 Sg	107 Bh	108 Hs	109 Mt	110 Ds	111 Rg	112 Cn	113 Nh	114 Fl	115 Mc	116 Lv
	* 57 La	58 Ce	59 Pr	60 Nd	61 Pm	62 Sm	63 Eu	64 Gd	65 Tb	66 Dy	67 Ho	68 Er	69 Tm	70 Yb
	* 89 Ac	90 Th	91 Pa	92 U	93 Np	94 Pu	95 Am	96 Cm	97 Bk	98 Cf	99 Es	100 Fm	101 Md	102 No

Area of Science:
CHEMISTRY

Grade level:
Advanced Supplementary (AS)

Age of students:
17 Yrs

Total time:
4hrs 20mins

Preparation time:
80 mins

Teaching time:
3hrs

The Teaching will be both practical and flipped classroom based, the students will be given video links with exploratory questions to prepare for this extended practical activity, which comprises of 4 lessons. The lesson will be carried out practically, however the exploratory questions need to be fully answered and understood by the student before they commence the practical investigation.

Key concepts:

Atomic structure and how the chemical properties of elements depend on their atomic structure, and in particular on the arrangement of electrons around the nucleus.

Students consider the trends and reactions of Group VII elements in detail. These practical activities allow students to develop the important quantitative techniques. They also understand analytical tests, enabling students to gain experience in qualitative practical skills such as observation.

There resources are available online
in english, turkish, greek, italian,
romanian and dutch!

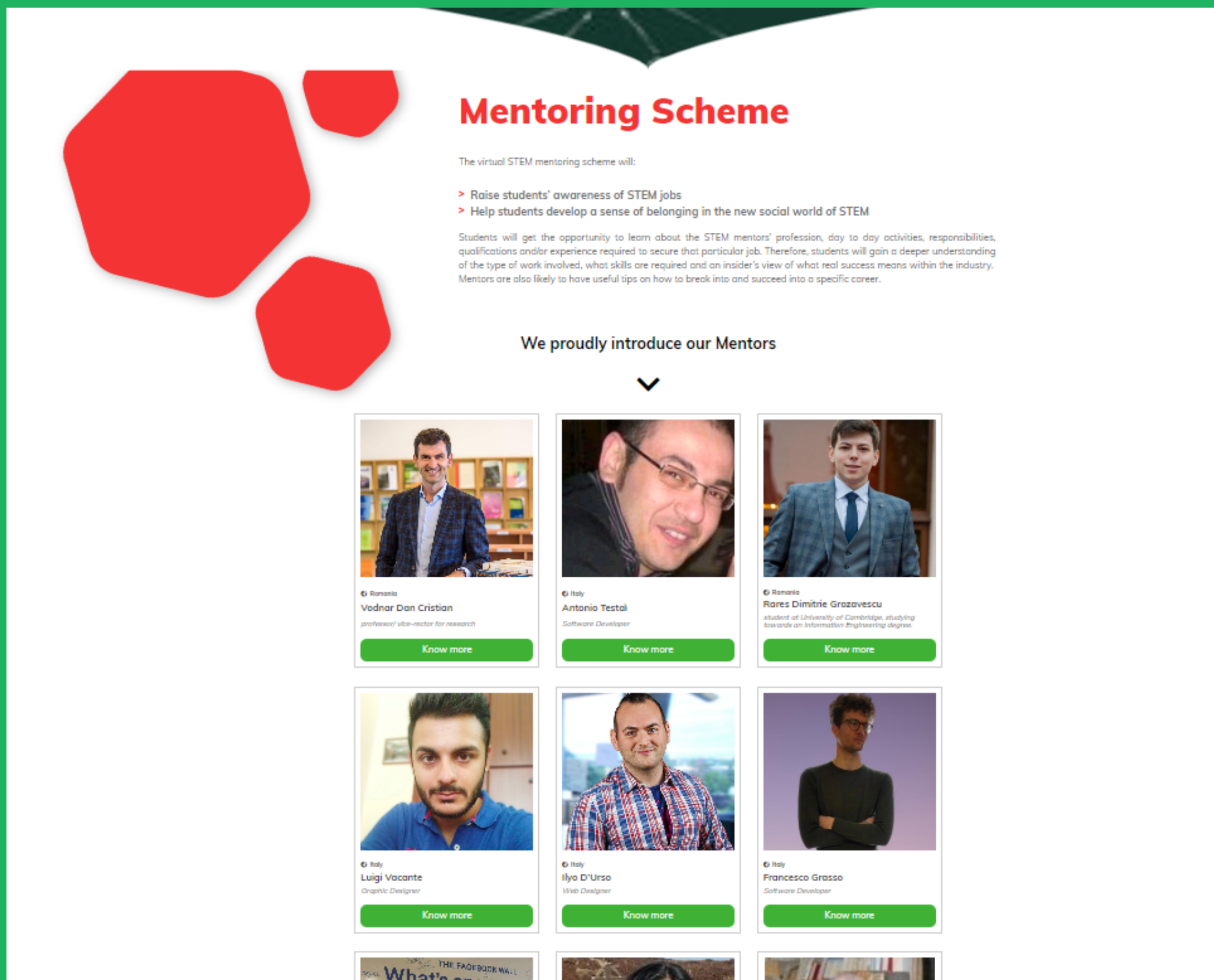
Our partnership is made of organisations from UK, Italy, Greece, Belgium, Romania and Turkey. We have competences going from teaching and research to e-learning resources development and promotion of innovation and entrepreneurship.



Our Mentoring Sessions

STEM Professionals and students meet each other

Over the year students from the countries involved in the project have had the chance to meet with professionals working in several STEM-related fields to discover the many exciting careers that studying STEM subjects can open up for them and which are the best training paths to take to that end.



Recordings of the mentoring sessions and the profiles of the mentors are available in the "[Mentoring scheme](#)" area of our website

OUR NEXT STEPS

Our **e-Learning platform** is almost ready! There, teachers will find many useful tips and examples of how engaging and fun STEM lessons can be!
STAY TUNED!