

7. Biyans & British Science Association





Innovate
UK



STEM-based activities with CREST AWARDS

R&D partnership the Environment & Education sector

CREST Product Manager, Panagiota Letsou, British Science Association

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Who We Are



- Science Communications
- Our vision is of a world where science is at the heart of culture and society
- 30 Employees
- Founded: 1831



- Agriculture&Environmental Tech.
- STEM-based laboratory applied activities and science centre projects
- 1-10 Employees
- Founded: 2009



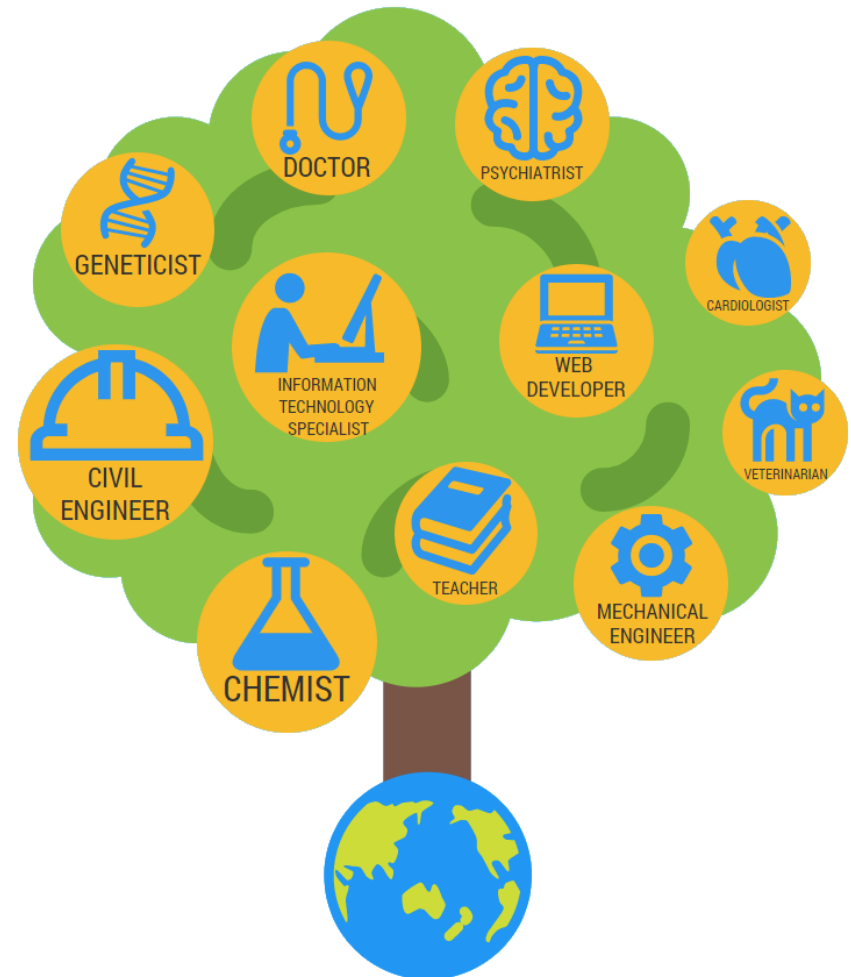
Why CREST AWARDS?

WHAT JOBS IN THE FUTURE ARE OPEN FOR STUDENTS IN THE STEM STRAND?

JOBS ARE CHANGING!

STEM WITH
ARTS AND SOCIETY

MULTIDISCIPLINARY
COLLABORATIONS

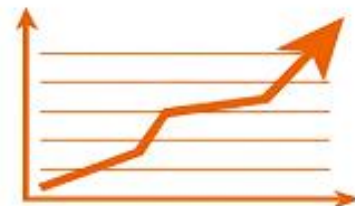


The problem – How the Job Market is Changing



50%

of current jobs with skill shortages are in STEM fields.



EMPLOYERS EXPECT THEIR NEED FOR STEM PROFESSIONALS TO INCREASE IN THE NEXT FIVE TO 10 YEARS.



75%

of all new jobs will require skills in STEM.

IN THE NEXT 5 YEARS

it is predicted that demand will rise for:

professional, scientific and technical services:

↑ **14%**

health care:

↑ **20%**



University graduates:

↑ **49%**

VET graduates:

↑ **53%**



90%

of jobs will need digital skills in the next 2 to 5 years.



The opportunity / the solution

What is the CREST Awards scheme

- Hands-on STEM projects
- 5 to 19-year-olds
- Open-ended, student-led, enquiry-based learning approach with real-world context



“My CREST projects helped me get a place at Bristol University and a placement at AstraZeneca.”

– ELIZABETH HAMPSON, CREST AWARD HOLDER



The opportunity / the solution



Preparing young people for their future

Students can develop and demonstrate transferrable skills appreciated by Universities and Employers:

- Resilience and Problem Solving
- Decision Making and Accountability
- Project Management
- Effective Communication
- Working well in a team
- Leadership



The process

Signup for a
free CREST
account

Choose
project

Run the
project

Record
Project Work
/ Reflection

Assess
project

Certify the
project



CREST has partners- not competitors!

- ✓ **CREST Awards can add value to any STEM enrichment program**
- ✓ **Ideal for international partnerships with existing schemes**

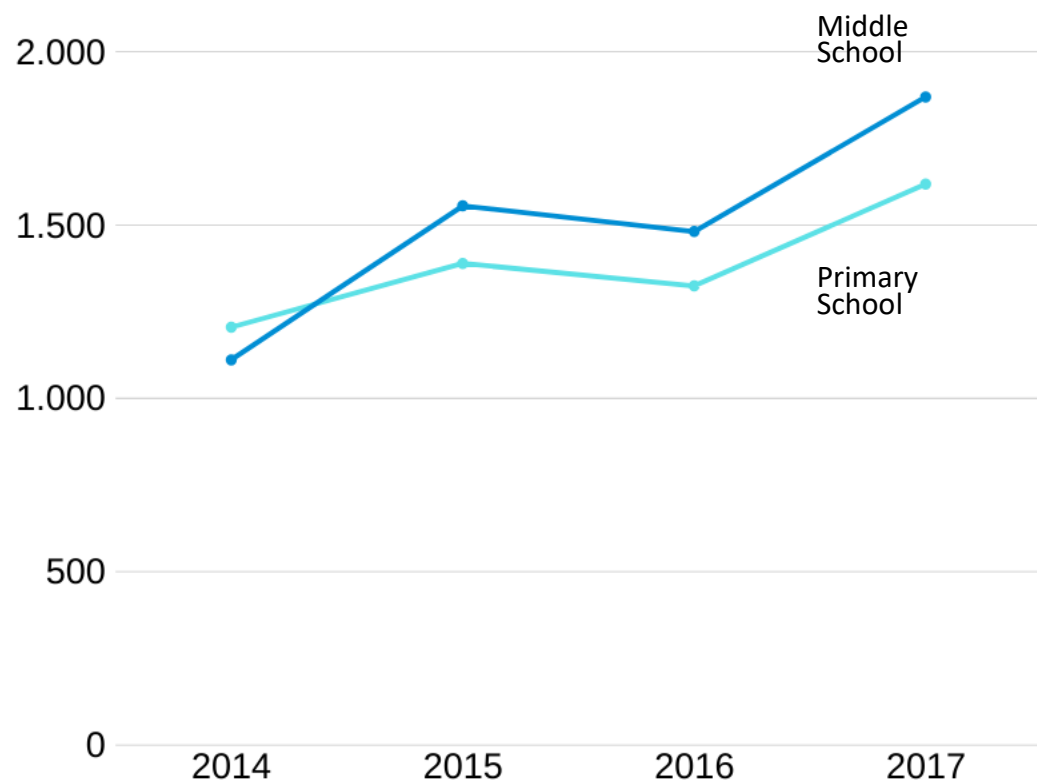
A few of the programmes we are working in collaboration:

- FIRST LEGO League and FIRST LEGO League Jr (IET)
- Engineering Education Scheme and Go4SET (EDT)
- Duke of Edinburgh and Duke of Edinburgh International
- Race to the Line/ Fly to the Line (The Learning Partnership)
- F1 in schools
- Big Bang Fair

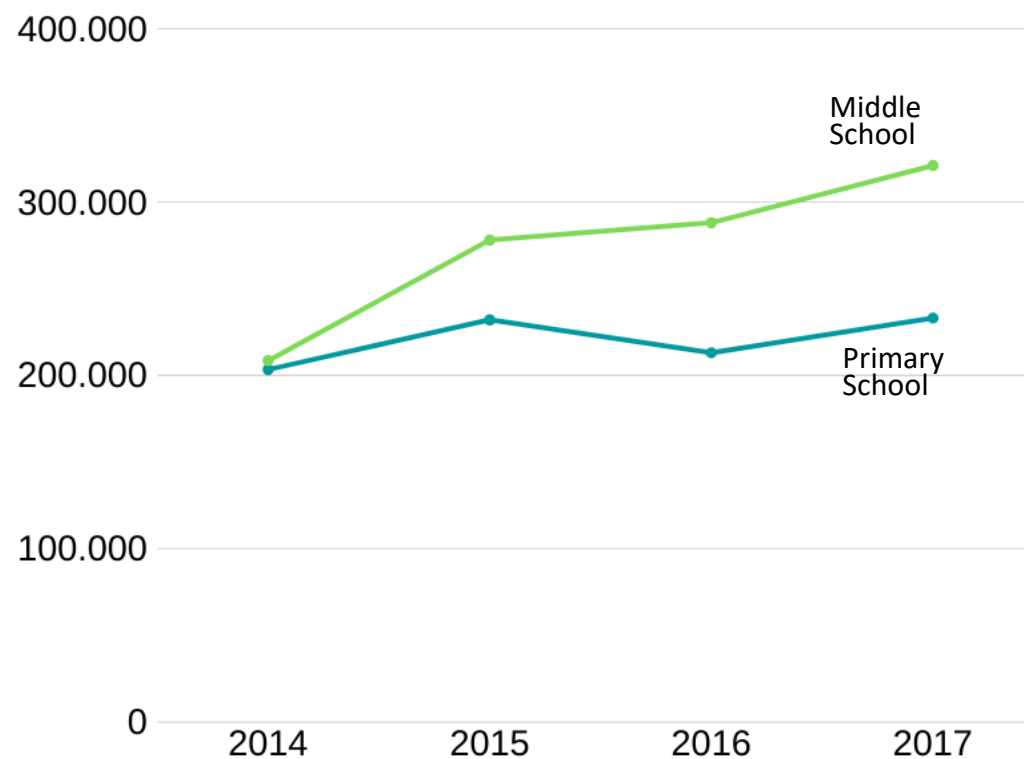


Traction or market opportunity

Private Primary School Number

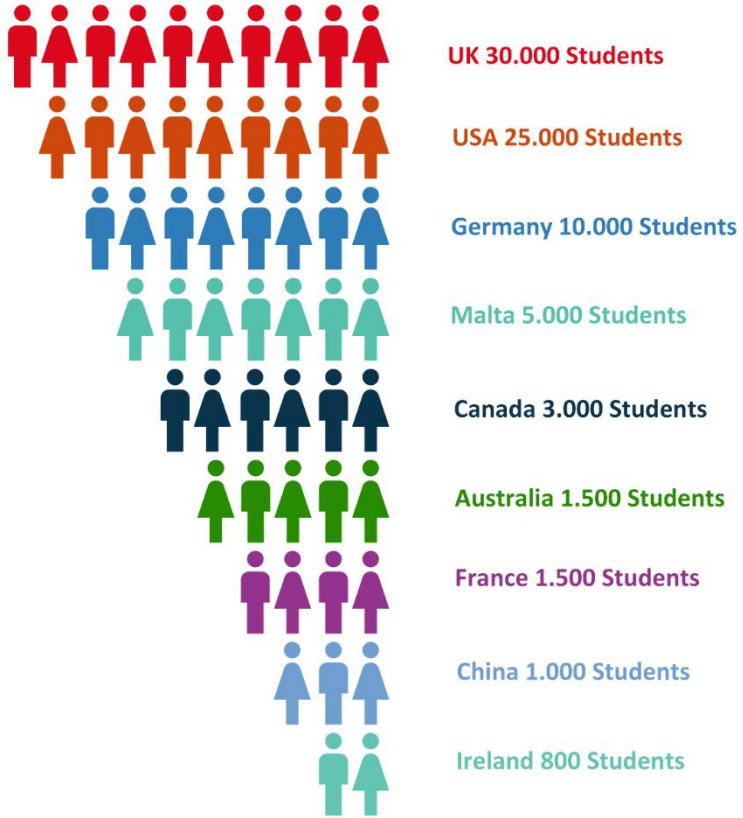


Primary School Student Number

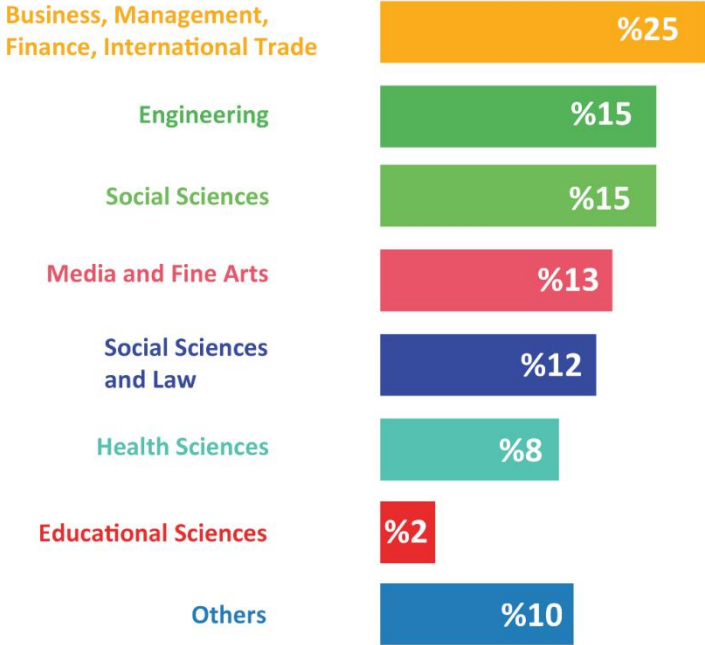


Traction or market opportunity

Turkish Students Interest by Country



Turkish Students Focus on Business, Engineering Students in Abroad



Timeline or pipeline



What we need

- Funding for a pilot
- Printing and dissemination of CREST promotional material to targeted institutions
- Funding for teacher training material development
- Funding for CREST training workshops for facilitators (2 in the first year)
- Travel sponsorship to be able to work closer together



Thank you!

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