



STEMQuest.ie

Engage, Inform, Inspire

Promoting
Science, Technology, Engineering and Math

in partnership with

Discover
Science + Engineering

STEPS
to engineering

STEMQuest Mission



STEMQuest.ie will engage with students to develop a positive and active interest in Science, Technology, Engineering and Math (STEM) topics and career opportunities through its unique on line quiz and information programmes.



Value:

To build a bridge between the classroom and the excitement of new world technologies and career opportunities and to nurture a more positive attitude and interest in STEM topics.

Purpose:

To showcase STEM topics and careers that are essential for success in the future for all individuals and critical for success as a nation





STEMQuest.ie

Engage, Inform, Inspire



1. Engage

STEMQuest.ie uses incentives to initially engage students.

By completing interactive and fun quizzes, students can win e.g. laptops, ipods and trips to the European Space Agency.

2. Inform

STEMQuest.ie informs students of exciting, relevant and cutting edge STEM topics and career opportunities via online interactive media in an exciting, competitive and fun way.

3. Inspire

STEMQuest.ie inspires students to take a positive view of subjects and careers in Science, Technology, Engineering and Maths. This is achieved by immersing them in informal learning of exciting cutting edge content in an incentivised and creative way.

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Why STEM, Why Now?

The strength of a STEM workforce is viewed as an indicator of a nation's ability to sustain itself

“The strong uptake of science at all levels of our education system is vital to the development of the knowledge-based economy on which the future prosperity of our country depends”

Minister for Children, Brendan Smith

“Our talented young people, the education sector and ICT are central to developing our ‘smart economy’”

Minister for Education, Batt O’ Keefe



- The CAO and the 2012 employment forecast from FAS and the Economic and Social Research Institute (ESRI), point to a widening skills gap in IT and STEM related careers.
- Less than 20% of students took higher level maths in the leaving cert.
- 4,500 students failed Maths in their leaving cert in 2009.
- Only 8% of students took higher level physics in 2009
- Application for engineering and technology degree courses decreased 9.8pc in 2009

Why STEM, Why Now?



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'The better use of technology in schools is vital to ensuring that students leave with the skills needed to participate fully in today's modern economy'

Paul Rellis, MD of Microsoft



The goal of our program is to respond to current government and industry concerns about the growing demand for a smart economy. We seek solutions to help ensure the breadth and depth of the STEM workforce.

The program facilitates the clever integration of internet resources and incentives to engage the participant in a journey to the world of STEM applications and technology while showcasing STEM career opportunities as well as companies that provide these opportunities

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Programme History



STEMQuest uses a proven model of effective eLearning and interactivity which has been a success in Ireland, the US and Canada.



Graduate.ie was launched 6 years ago. It is a free on-line educational quiz for primary and post primary students and over the years it has continued to successfully engage, inform and inspire students in civics awareness.

USA Graduate.com is currently in its third phase. The success of the Phase 1 & 2 programs conducted in Central New York in April-June 2008, and January-March 2009, indicates that young people will participate in informal STEM learning if given the opportunity. More than 25,000 students participated in these two phases

Canada Graduate.com is launching in January 2010 due to the successful participation and engagement in the US.



STEMQuest Online Weekly



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No Financial Cost to Student, Teacher or Parent

Students can register at www.stemquest.ie and participate in the weekly competition and be eligible for exciting free prizes.

STEMQuest will use Social Media to enable students to promote STEM interests to each other.



Play the game: Students are presented with questions from a variety of STEM topics. Special links lead to websites which showcase local and global technologies via videos, games, images or documents. A student scorecard will track and display the student performance in terms of participation, performance and awards. Students can print a special certificate of participation at end of term.

Win great prizes: All participants who gain a minimum score are eligible for prizes e.g. laptops, iPods, gift vouchers, with special performance prizes including Free trips to European Space agency and much more.



Partnership Opportunities



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STEM Promotion	Marketing Materials	Association with Awards
Inclusion of Content in the interactive online quiz that showcases your organisation's technology and career opportunities and highlights your company's support of the programme with hyperlinks to content on your company's website	Company logo and recognition on all STEMQuest.ie regional marketing materials	Recognition as a sponsor at program events, interaction and presentations
Program content can be designed specifically around your company	Company logo and recognition on all STEMQuest.ie national marketing materials	Opportunity for company representatives to award prizes to students in all regions
Partner Recognition	Marketing on line	Opportunity for company representatives to award prizes to students in one region
Organisation name associated with the program on public relations initiatives and Press Releases	Flickr: recognition on STEMQuest page	Opportunity for company to host prize award ceremony at offices in all regions
Media Kits	Twitter : recognition on STEMQuest page	Additional Opportunities
Press Conferences	My Space: recognition on STEMQuest page	Customized opportunities e.g. Student Certificate (sample available)
Opportunity to showcase STEMQuest Logo on company outreach materials	Facebook: recognition on STEMQuest page	Ability to distribute company prizes as part of the program, if applicable
Opportunity to market career positions and/or current promotions on all STEMQuest.ie regional websites	Bebo: recognition on STEMQuest page	Opportunity to help creation of program in other markets
	LinkedIn: recognition on STEMQuest page	

For more information



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For more information please visit
www.STEMQuest.ie

For partnership opportunities or to receive
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