



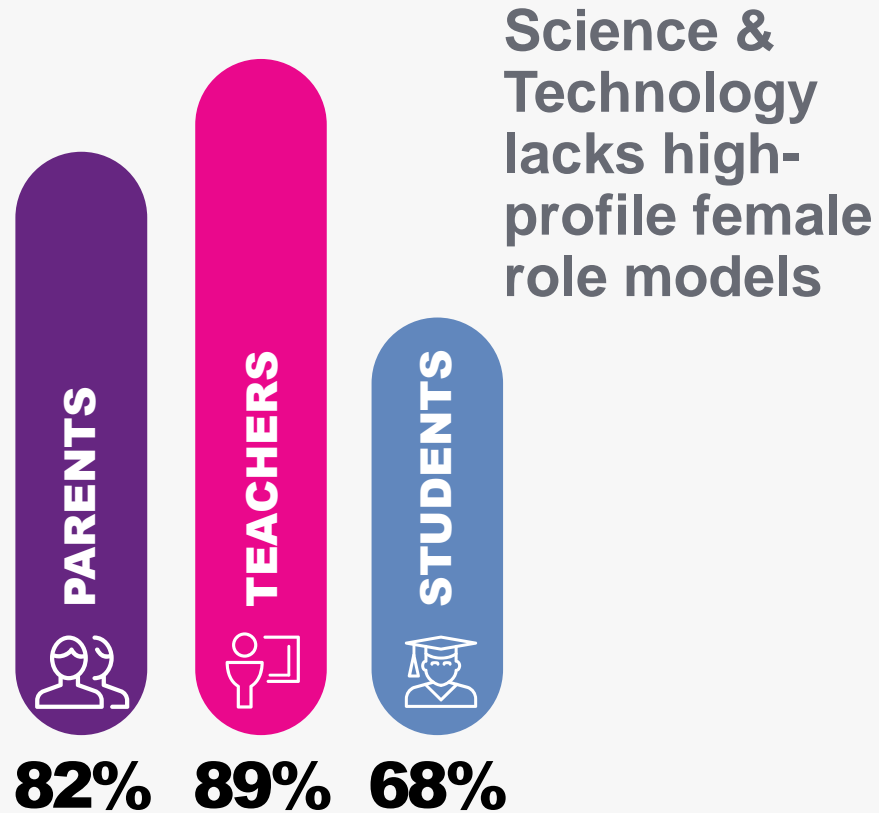
STEM TEACHER INTERNSHIP PROGRAMME



**WHY DOES
IT MATTER?**



ROLE MODELS



Source: Accenture Girls in STEM Report, 2017

INFORMATION GAP

31% of parents and 37% of teachers say there is inadequate information about STEM subjects and resulting careers.

Source: Accenture Girls in STEM Report, 2017

59% of girls agreed or strongly agreed that they did not know enough about STEM

Source: I Wish Choices, Chances, Changes Survey, 2018

ASSOCIATIONS & PERCEPTIONS

Girls are more likely to be influenced by social aspects



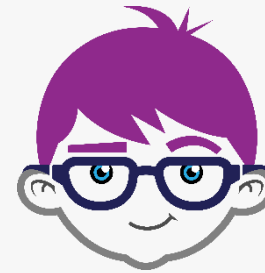
Boys are more likely to be influenced by money



CAREER CHOICES

Stereotypical views of parents

76%



Engineering

65%

App Development

40%

Science

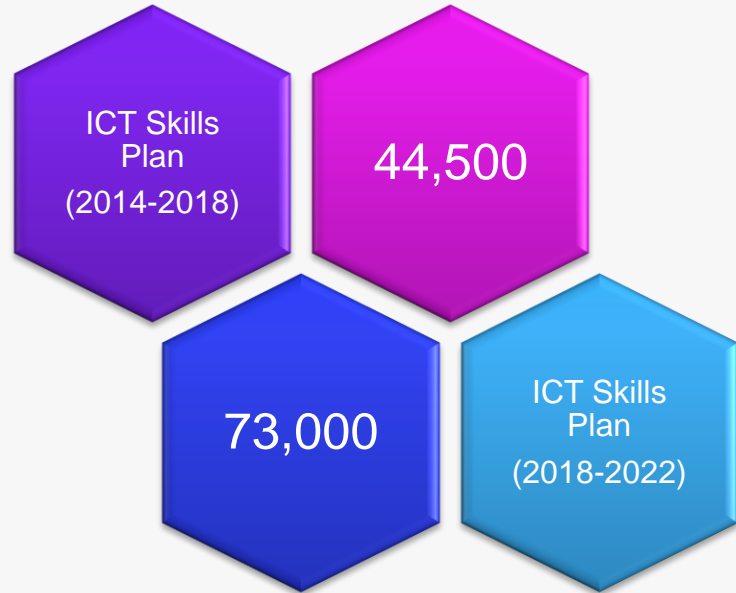
Source: Accenture Girls in STEM Report, 2017

TALENT PIPELINE CHALLENGE

Not just a gender issue

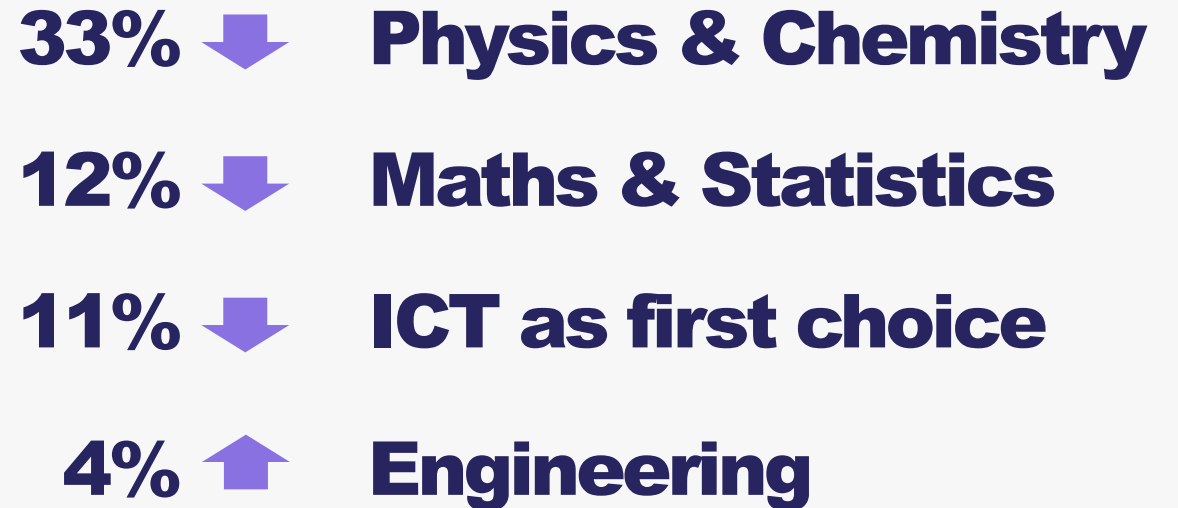
ICT sector is expected to grow rapidly

And only 60% currently met by Higher Education



Drop in STEM subjects at 3rd level in 2018

While some growth in Biology & related sciences (14%)



Source: ICT Skills Plan 2014-2018 <http://hea.ie/assets/uploads/2017/06/ICT-Skills-Action-Plan-2014-2018.pdf> (2018-2022 document is in draft stage)

Source: Irish Times article - <https://www.irishtimes.com/news/education/decrease-in-cao-applications-to-many-stem-courses-1.3555712>

**WHAT CAN
WE DO
ABOUT IT?**

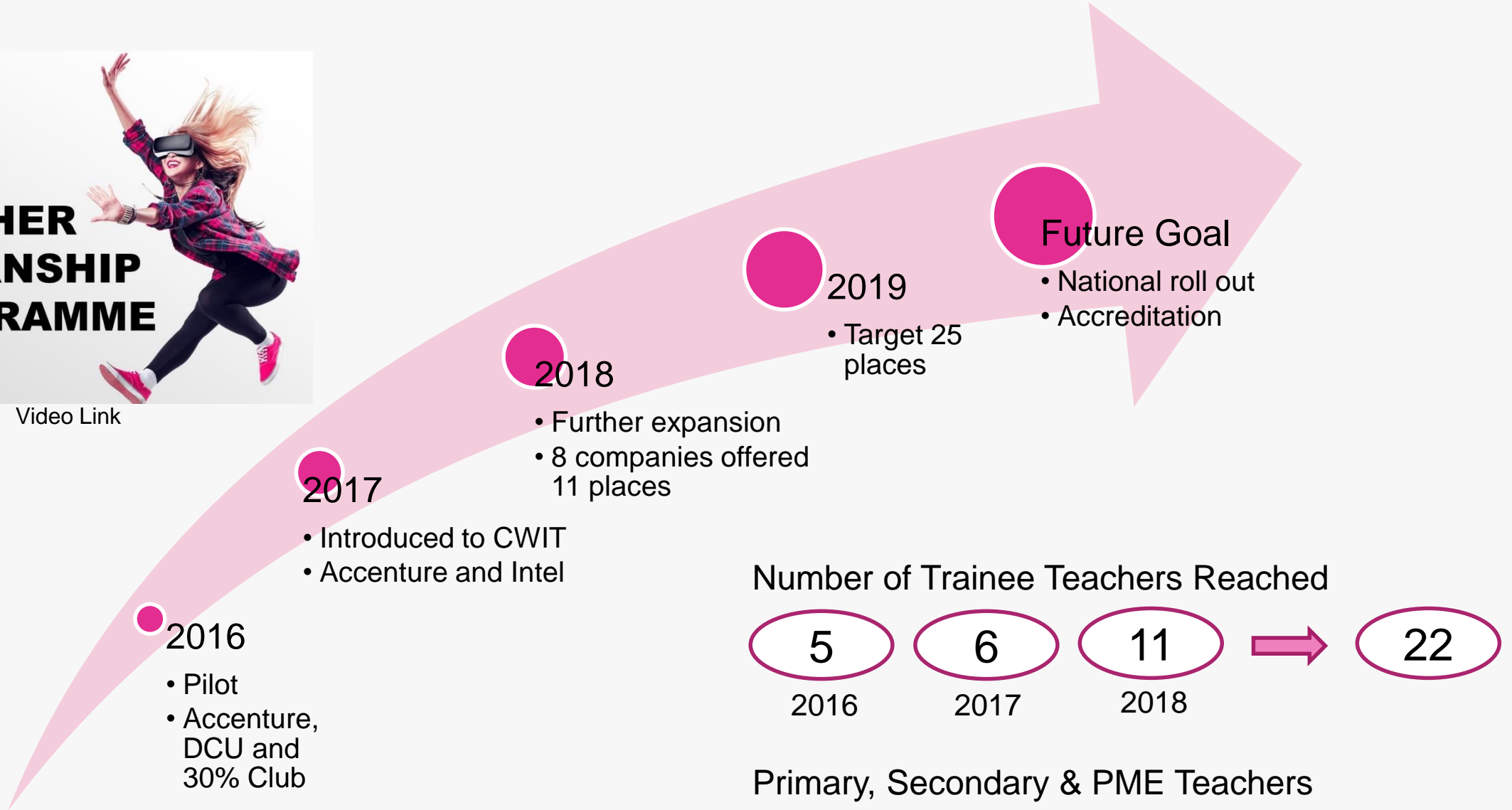


PROGRAM OVERVIEW

STEM TEACHER INTERNSHIP PROGRAMME



Video Link



IMPACT

The impact of this programme is such that it extends pre-service teachers competences and knowledge of STEM and enhances the teaching and learning of STEM in their classrooms/schools.”

Eilish McLoughlin, Dublin City University

While most schools in Ireland operate a broad based curriculum, many are increasingly facilitating STEM linked subjects. This provides choice for students and their parents who recognise that excellence in these areas will open opportunities for learning and employment in the future. “

Des Newton, Principal of Adamstown Community College

“My overall experience throughout my internship with Accenture has been incredible. I felt a part of the community within Accenture, getting to meet amazing and inspiring people from diverse backgrounds and learning about the many ways people arrive at a career in STEM.”

Chloe Carroll, Accenture STEM Teacher intern 2017

I have learned lots of different skills during my internship such as my communication and collaboration skills - working with people in the corporate environment is very different to working with teachers. I now can see how important it is for my students to learn and use these 21st century skills which they will need in their future careers

Chelsey Murray, IBM STEM Teacher Intern 2018



Teacher with 40 years experience

Primary Level = 40yrs x 30students/yr
= 1200 students

Secondary Level = 40yrs x (5grps x 25 students)/yr
= 5000 students

3 yrs of initiative:

8 Primary Teachers & 14 Secondary Teachers participated:

Direct Impact: 93,6000 students

2019 PROGRAM DETAILS

21st Nov	Launch of 2019 Programme in Dublin City University
14th Dec	Confirmation of positions available in each host organisation, and locations.
16th Jan	CVs and Personal statements to be submitted by candidates
31st Jan	Interns assigned to host organisations by DCU*.
7th Feb	All parties notified of placements.
TBD	Host Organisations arrange meet and greet sessions with interns and agree start/finish dates.
27th May	Earliest possible start date for interns
6th Sept	Latest possible end date for interns

DCU assign the students to companies taking into account their preference for locations as far as possible.

- Paid 12 week internship over summer (~€5k)
- Embedded with a team for the full duration
- Mentors and Buddies to support the interns
- Access to social and networking events
- Placed in roles that play to their strengths but related to STEM





For more information

Visit: <http://castel.ie/stem-teacher-internships/>

Email: info@stemteacherinternships.ie

