



Focus on CS Education: HEA, TEF, and L&T in computing

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The HEA in 2016

- > “Owned” by the academy, not a regulatory arm of Government/HEFCE/BIS
- > Focussed on improving student learning by raising the quality and status of teaching in HE
- > Responsive to the variety of needs across four discipline strands:
 - Arts & Humanities
 - Social Sciences
 - Health and Social Care
 - STEM

- > HEA leads teaching excellence through:
 - Student surveys¹, feedback to academics
 - CPD provision at key career points, e.g. New to Teaching; Growing your Skills; networks & workshops; resources & pedagogical advice
 - Fellowship Programme² accreditation and recognition underpinned by Professional Standards Framework (UKPSF)
 - Bespoke consultancy on L&T
 - BIS expert and advisory groups

1. UKES: United Kingdom Engagement Survey
PTES: Postgraduate Taught Experience Survey
PRES: Postgraduate Research Experience Survey

2. AFHEA: Associate Fellow of the HEA (~13000)
FHEA: Fellow of the HEA (~53000)
S/PFHEA: Senior/Principal Fellow of the HEA (~4000)

The Teaching Excellence Framework

Genesis

> Dearing Report (1997)¹ "Higher Education in the Learning Society"

Recommendations:

13 ... programmes for **teacher training** of their staff, ... **accreditation** of such programmes from the [ILTHE].

48 ... new full-time academic staff with teaching responsibilities are required to achieve at least **associate membership** of the [ILTHE].

> Charles Clarke (2003) White Paper² "The Future of Higher Education"

Effective teaching and learning is essential ... **High quality teaching must be recognised and rewarded**, and best practice shared...

Centres of Excellence to reward good teaching and **promote best practice**;

Better information for students ... **to help student choice drive up quality**;

New national **professional standards** for teaching and a **new national body** ... [HEA].

1. Snr civil servant & Chancellor, U. Nottingham, 1993-2000;
<http://www.educationengland.org.uk/documents/dearing1997/dearing1997.html>

2. Secretary of State for Education and Skills;
<http://webarchive.nationalarchives.gov.uk/20040117001247/dfes.gov.uk/highereducation/hestrategy/>

The Teaching Excellence Framework

2015

> Jo Johnson, (Jul. 2015)¹ speech:
"Teaching at the heart of the system"

"... drive good teaching up so that it becomes excellent and to root out bad teaching ..."

"... value for money both for students ... and taxpayers ..."

"... to include a clear set of outcome-focused criteria and metrics ..."

> Sajid Javid, (Nov. 2015)²
"Fulfilling our Potential: Teaching Excellence, Social Mobility and Student Choice" (105 pp)

1. Minister of State for Universities and Science
<https://www.gov.uk/government/speeches/teaching-at-the-heart-of-the-system>

2.
https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/474227/BIS-15-623-fulfilling-our-potential-teaching-excellence-social-mobility-and-student-choice.pdf

The TEF in 2016

> What we know:

- TEF Mk1 (baseline) based on successful QA
- Fee indexing from 2017/18¹

> What we think we know:

- TEF Mk2 multi-levelled (3-4), but how?
 - Hierarchy? E.g. Bronze/silver/gold?
 - Distinctiveness?
 - Linked to fee indexation?
- TEF Mk3 may achieve subject resolution
 - HEI aggregated to single kitemark?

> Timescales

- 619 responses to green paper being reviewed
- “Technical consultation” anticipated spring/summer 2016
- HE Bill to be announced in 18 May ‘16 Queen’s Speech?
- TEF Mk2 from 2017/18

1. Budget, 8 July 2015 : institutions can increase tuition fee in line with inflation from 2017-18 to new students as long as they are providing ‘high-quality teaching

Aspects of teaching excellence

> Teaching Quality indicative criteria:

- Students ... stimulated, ... engaged in learning, and satisfied with quality
- Understanding ways in which students are intellectually challenged and engaged
- Courses, curriculum design, teaching and assessment are effective in developing all students' knowledge and skills.

> Learning Environment indicative criteria:

- Leadership and L&T strategy promote excellent teaching and learning.
- Recognition and reward of excellent teaching
 - parity between teaching and research
 - explicit career path
- Mutual benefits between teaching, scholarship and research

Aspects of teaching excellence

> Student Outcomes and Learning Gain indicative criteria:

- Students' knowledge, skills and career readiness enhanced.
- All students receive effective support to achieve educational and professional goals and potential
- Students get added value

TEF:

Teaching quality
Learning Environment
Learning Gain

REF:

Output quality
Research environment
Impact

Measuring teaching excellence

> Possible metrics:

- Student satisfaction = NSS
 $f(\text{EduTainment, easiness, gaming}) \neq \text{TE}$
- DLHE
 $f(\text{SocEc, discipline, gaming}) \neq \text{TE}$
- HMRC salary data
 $f(\text{SocEc, discipline}) \neq \text{TE}$
- HESA returns on retention & progression
 $f(\text{SocEc, easiness, gaming, WP}) \neq \text{TE}$

> Possible metrics & narrative:

- Pedagogic approaches
- Staff contracts
- Staff qualifications
- Student engagement
- Contact hours
- Staff training, reward and recognition
- Dissemination & celebration of teaching excellence
- PSRB and employer engagement
- Student involvement

Achieving excellence: How can the HEA help?

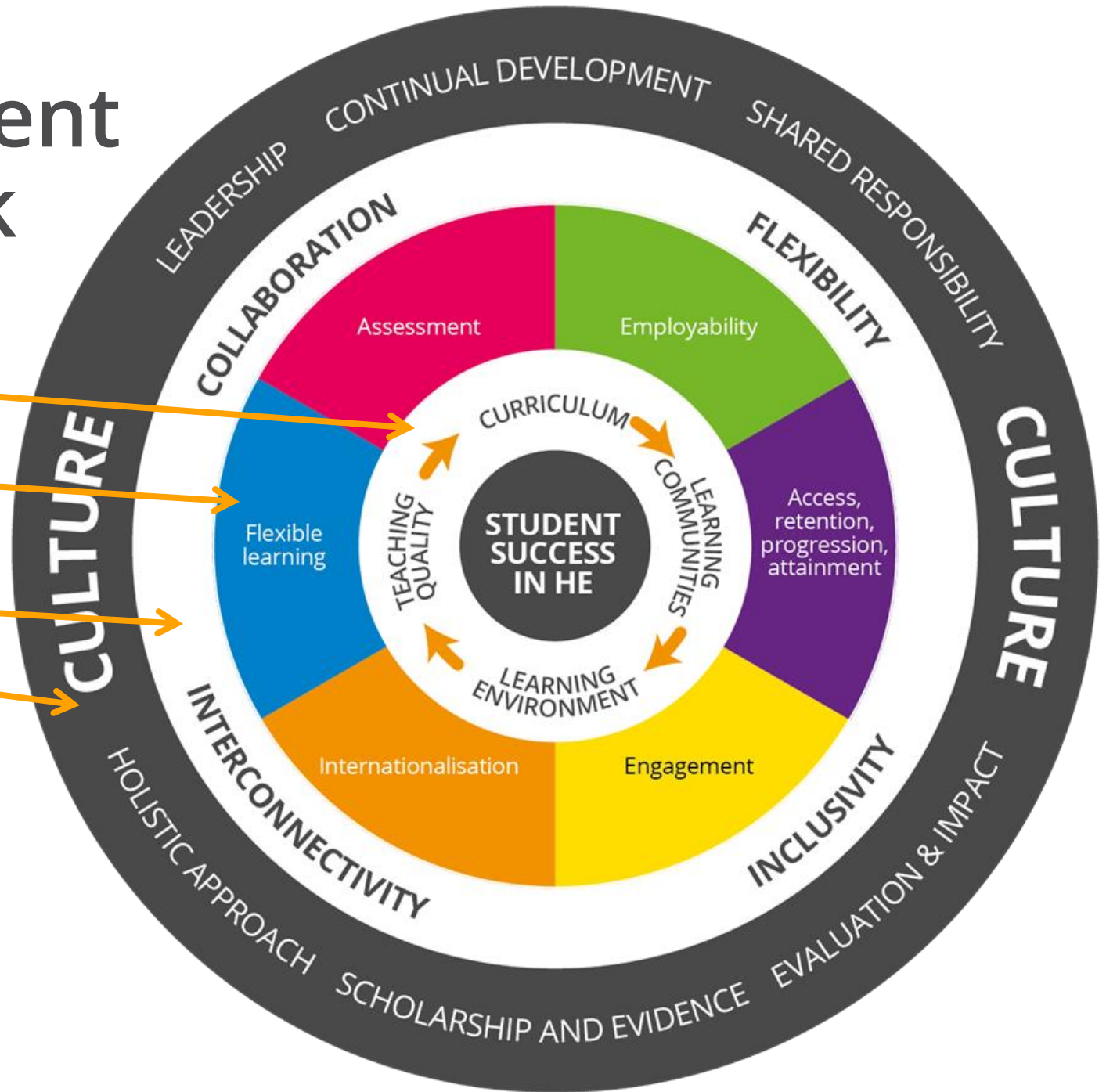
HEA Framework Series for:

- transforming assessment in HE
- embedding employability in HE
- student access, retention, attainment & progression in HE
- internationalising HE
- flexible learning in HE
- student engagement through partnership
- framework for student success in HE

<https://www.heacademy.ac.uk/frameworks-toolkits/frameworks>

Example: HEA Student Success Framework

- Aims to impact upon success by influencing 4 interconnecting aspects of teaching excellence;
- Prioritises 6 themes as conduits for achieving student success;
- Upholds 4 guiding principles for practice;
- Promotes a regard for 6 operational commitments, reflective of the culture.



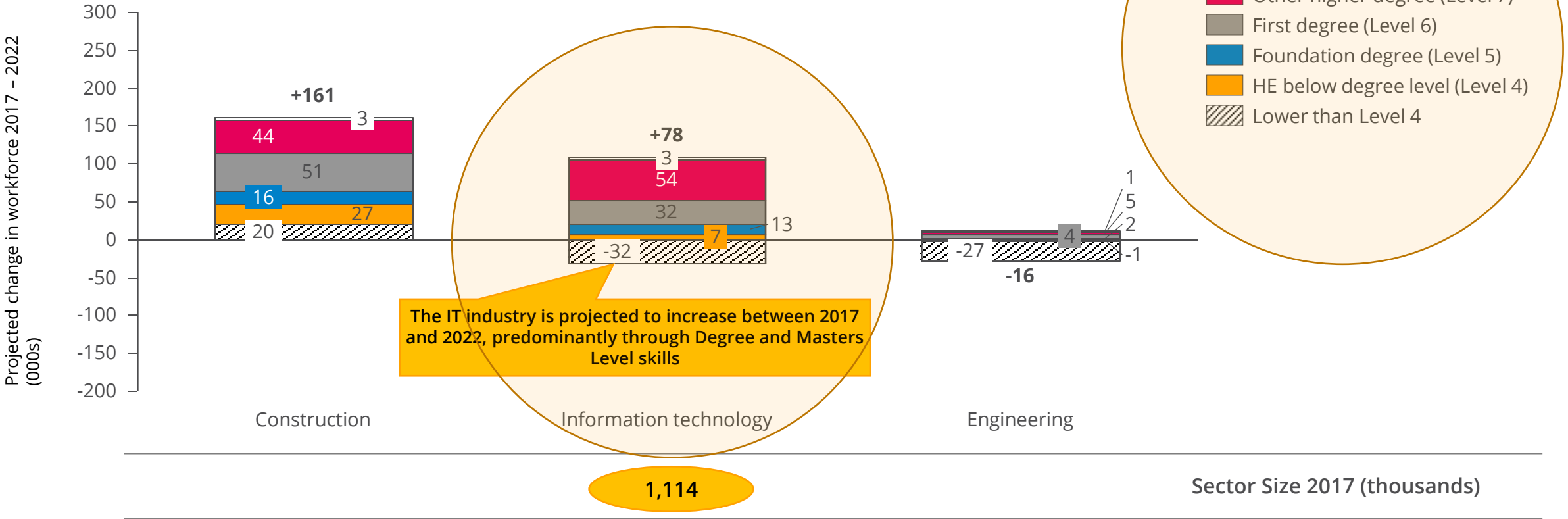
Toolkits and HEAtoZ

- > Our [toolkits](#) bring together useful resources to help enhance teaching practice and to improve student learning outcomes.
- > You can also explore the toolkit materials via our glossary, [HEAtoZ](#), This new area of the website takes you through an A to Z of learning and teaching terms.



Degree Apprenticeships

UK labour market projections: 2012 to 2022:
 Workforce change (thousands) by Level and Industry during period 2017-2022



Source: UKCES Working Futures (2013), Table 7.x.1 <https://www.gov.uk/government/publications/working-futures-2012-to-2022>

Degree Apprenticeships

> HEFCE tasked by BIS to support roll-out and development, including quality provision on course and in workplace.

> HEA has wealth of experience in supporting work-based, workplace and flexible learning, and employability
e.g. HEA Framework for Embedding Employability¹

> Able to support universities; contacts:

- Sean Ryan, Kay Hack (STEM)
- Doug Cole (Acad. Practice)

1. HEA Framework for Embedding Employability
<https://www.heacademy.ac.uk/enhancement/frameworks/framework-embedding-employability-higher-education>

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Higher Education
Academy

TRANSFORMING TEACHING
INSPIRING LEARNING