

Caroline Stuart

Educating the Workforce for the 21st Century

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Technology is changing our World

The challenge for educators

90% of all jobs require digital skills

National and personal security– cyber

Data – new oil - make better decisions

Changing business models – disruption

Global citizens – global competition

Fastest growth 2x average forecast to 2024

Changing the way the economy measured

Demographic shifts -returners/ career changers

Agility of qualifications – keep pace

Cost to serve model

Customer centric delivery – student at centre



The Industry Opportunity

11,000 job opportunities each year

Demand - Cyber, data, programmers, digital marketing

Contributes over £4 billion to Scotland's GVA

Growing 2x faster than economy average

The 21st C Digital Workforce

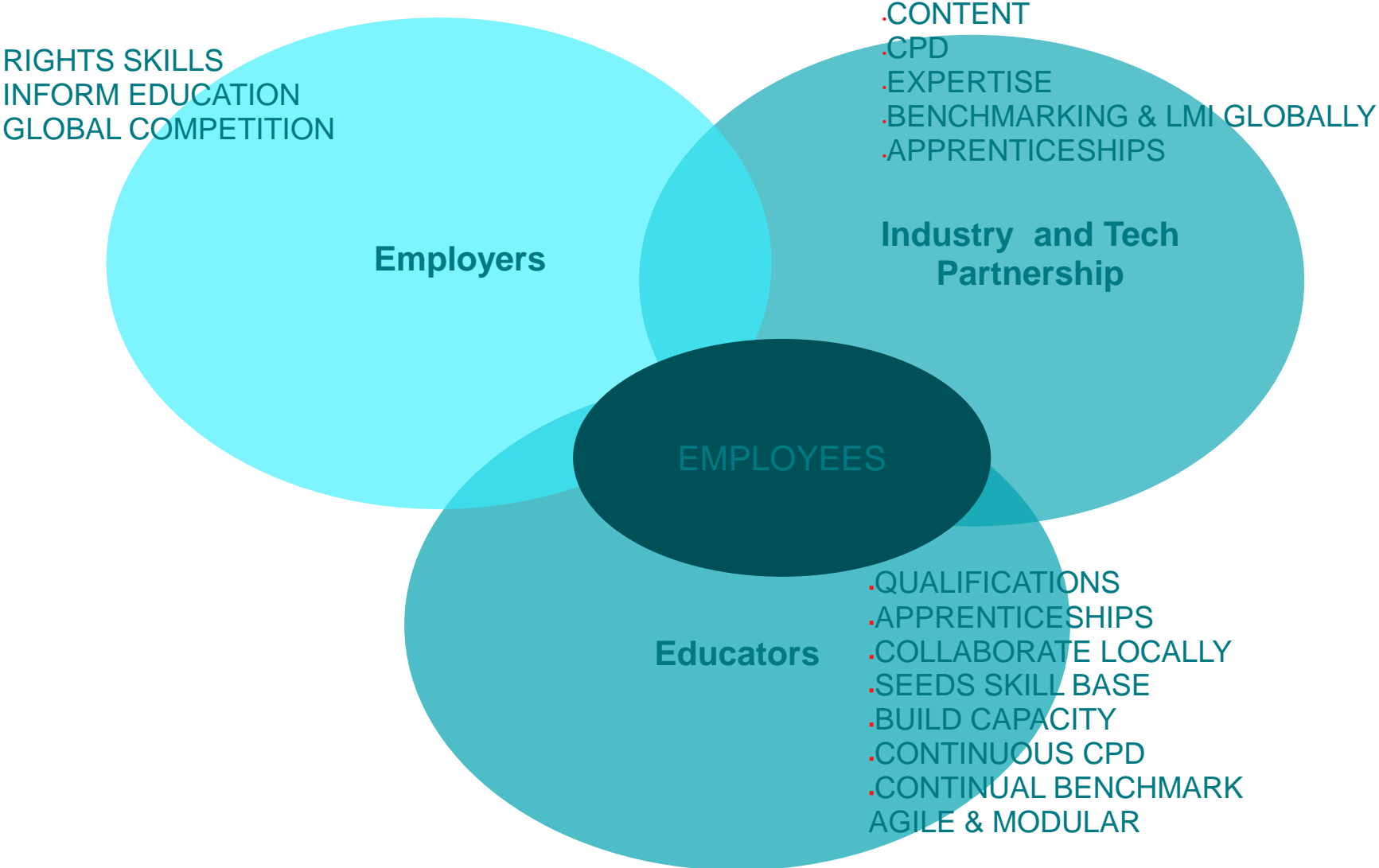
90% of jobs require digital skills

All industry sectors have a digital skills shortage

50+% of productivity gains smart technology use

Cyber, data, problem solving, creativity, using and exploiting technology

The Shifting Skills System



The Apprenticeship family



Key products to suit your business:

- Foundation Apprenticeships
- Modern Apprenticeships
- Graduate Level Apprenticeships
- Masters Level Apprenticeships

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Digital FA Frameworks

Glasgow Regional Partnership delivering all 3



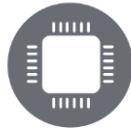
IT: Software
Development

FA Group Award at SCQF Level 6 in ICT Software Development. Comprising:

Knowledge: National Progression Award in Software Development (SCQF Level 6)

Skills: Work based units from the Diploma for IT and Telecommunications Professional (SCQF Level 6)

Competence: Work based competence units delivered and assessed in the workplace in a digital role.



IT: Hardware &
System Support

FA Group Award at SCQF Level 6 in ICT Hardware and Systems Support. Comprising :

Knowledge: National Progression Award in Professional Computer Fundamentals (SCQF Level 6)

Skills: Work based units from the Diploma for IT and Telecommunications Professional (SCQF Level 6)

Competence: Work based competence units delivered and assessed in the workplace in a digital role.



Creative
& Digital

FA Group Award at SCQF Level 6 in Creative and Digital Media. Comprising :

Knowledge: National Progression Award in Creative and Digital Media: Technologies ,Processes and Practices (SCQF Level 6)

Skills: Work based units from the Diploma in Creative Digital Media (SCQF Level 6)

A media project unit at SCQF Level 6

Competence: Work based competence units delivered and assessed in the workplace in a digital role.

Growth in FA Opportunities

Opportunities by 2017/18



c.1,900

places across 10 FA Frameworks and covering 32 LAs



c.400

places across 3 Digital Frameworks and covering 20 LAs

Ambition by 2020/21



c.10,000

young people starting a Foundation Apprenticeship aligned to a key growth sector



c.2,000

young people starting a L6 qualification in digital technology skills

Benefits for Young People



A range of options on leaving school, into employment or education



Work on real projects with an employer



A qualification (SCQF level 6) and skills that employers need



High quality industry work experience

Benefits for Employers



Spot talented, motivated individuals who could become your future employees



Build the future skills their industry needs



The opportunity to build stronger links with education



Young people work on real projects with your staff, bringing a fresh perspective and new ideas

Call to Action

- **Build Capacity – School, FE and HE**
- **Digital – part of all qualifications**
- **FA's – way to upskill all students – eg cyber?**
- **Engage employers locally**
 - **Apprenticeships**
 - **Upskilling existing workforce**
- **Re-skilling career changers**
- **Use technology to transform education model – cost to serve model – modular components to build qualifications**

Economic Impact – High Skill v Low Skill