

Main messages from the reports

Building Society - Bill Geddes HMI

Computing and Digital Media - Sheila Page HMI

Building Society

- the report of
the Technologies Impact Review

- It's not about the technology – *the best things in life... are not **things***
- A unique opportunity – “*unexpected item in bagging area....*”
- Think of the technologies as ...expressive arts?

So, three powerful themes emerge...

- About **creativity and problem solving...**
- About **digital technologies...**
- About **the technologies “brand” 3-15...**

Computing and Digital Media in Scotland's colleges

**A subject-based aspect report by Education Scotland on
provision in Scotland's Colleges on behalf of the Scottish
Funding Council**

Published September 2014

Context

Scottish Government, sector skills council and trade body strategies

SDS ICT Skills Investment Plan – March 2014

Developing Young Workforce

Industry and HEI demands

SQA developments

Curriculum for Excellence and new national qualifications

Regionalisation in college sector

Computing in Scotland's Colleges 2009

The industry sector

Characterised by:

Buoyancy

Critical contributor to economic growth and social development

Continuous and rapid development

Skills shortages

- Usually degree-level entry
- Need for high-level knowledge and understanding as well as technical and personal skills
- Need for **creative** people who can scan and interpret evolving landscape and learn on the job!

Key messages

Strengths

Computing and digital media remain popular – highly committed learners

Strong industry focus within programme design and delivery

Good arrangements for progression to degree-level study

High standard of learner work – especially at HNC/D

Improving attainment of qualifications

Areas for development

- Mathematics
- Involvement of employers in design or delivery
- Industry qualifications
- In-depth analytical, creativity or problem-solving skills
- Learner outcomes
- School or parental guidance for applicants
- Learner awareness of employment opportunities
- Gender imbalance

What happens next?

Further work within *Digital Scotland Business Excellence Partnership* –

Digital Skills Pathways sub-group

Colleges' response to report

Support from College Development Network



Education Scotland

Foghlam Alba

Transforming lives through learning

Cabinet Secretary for Education and Lifelong Learning

Angela Constance

- ***“The impact of new digital technology is all encompassing — from public transport to agriculture and from household goods to financial services.***
- ***Analysis of ‘Big Data’ is transforming healthcare and medicine, as well as consumer and public services.***
- ***The 3D printing of organs assist surgeons, whilst robotic arms can be controlled by the mind.***

We are becoming more reliant on technologies for personal use — from social media and entertainment, to older people and those with long-term conditions now able to monitor their health from home.

Everyday activities — such as shopping, using a telephone and banking — increasingly require interaction with technology.

Digital skills (the skills needed to interact with digital technologies) are now necessary life skills.”

(Make or Break; House of Lords February 2014)

Technologies

Kirsty McFaul

Senior Education Officer Technologies

2015

2016

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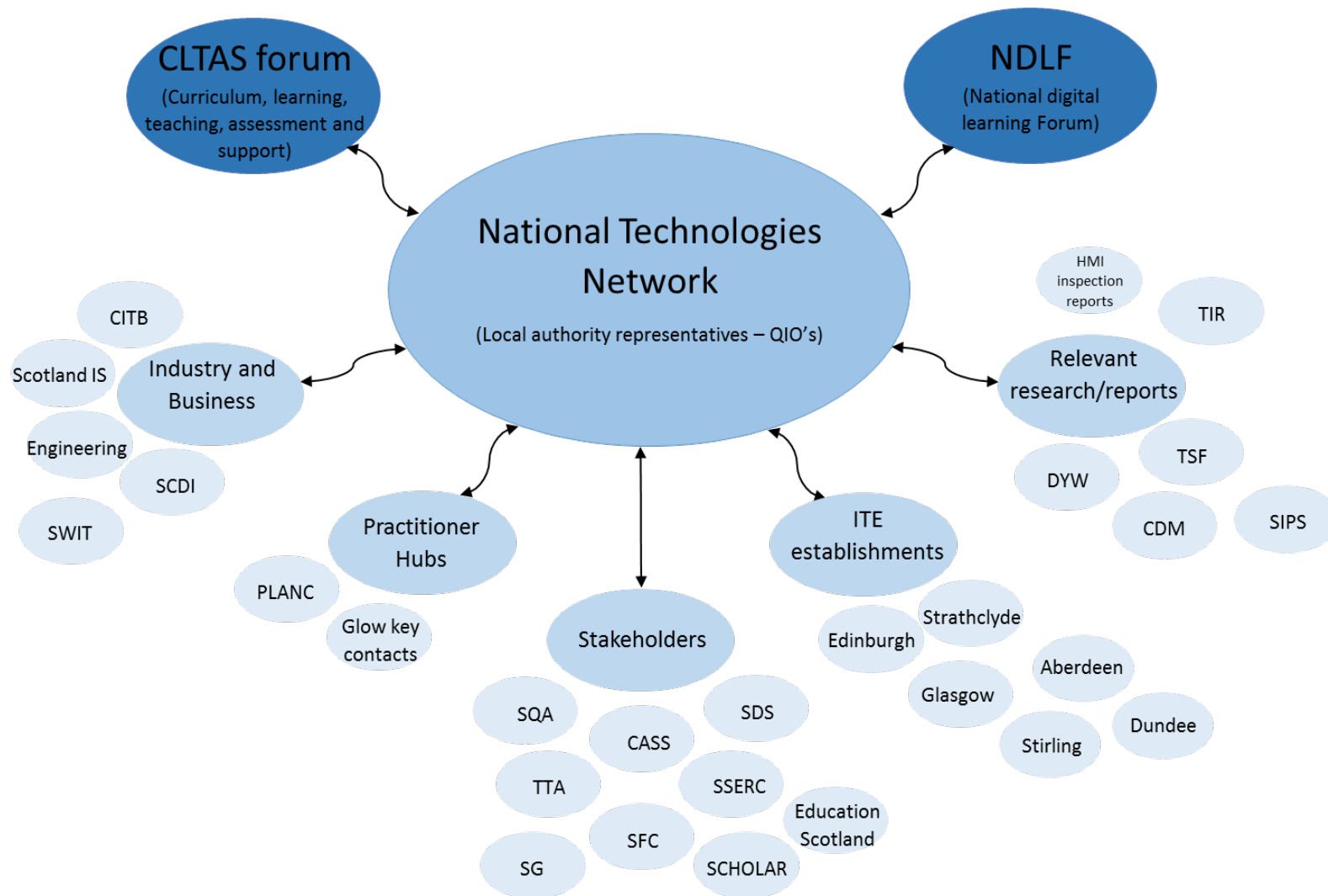
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Making tomorrow happen: technology education in Scotland

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