Rethinking Science & Technology Education in Wales
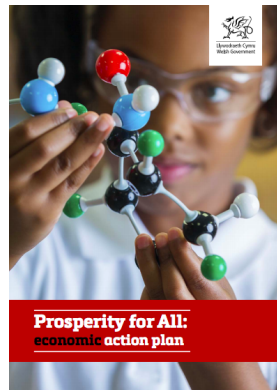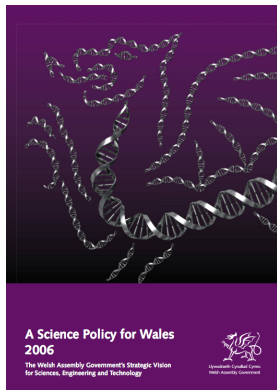
@ProfTomCrick

http://proftomcrick.com

22 May 2018

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Successful Futures

Independent Review of Curriculum
and Assessment Arrangements in Wales

Professor Graham Donaldson CB
February 2015

Improving Schools in Wales:

An OECD Perspective

The Four Purposes

The purpose of the new curriculum is to support our children and young people to be:

- *Ambitious, capable learners*, ready to learn throughout their lives;
- *Enterprising, creative contributors*, ready to play a full part in life and work;
- *Ethical, informed citizens* of Wales and the world;
- *Healthy, confident individuals*, ready to lead fulfilling lives as valued members of society.

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New plans to embed digital competence into curriculum

A new framework that will introduce digital competence across the curriculum to help pupils of all ages widen and develop their digital skills will be available to schools by September 2016, Education Minister, Huw Lewis has announced.
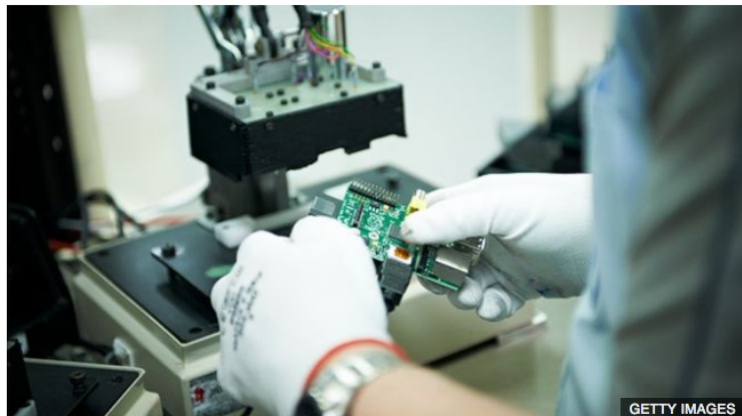
Wednesday 10 June 2015

£4m to improve school results in science and technology

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More than £4m will be spent to raise standards in science and technology in Welsh schools.

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Policy paper

UK Digital Strategy

From: [Department for Culture, Media & Sport](#) and [The Rt Hon Karen Bradley MP](#)
Part of: [Further education and training](#), [Research and development](#), [Broadband investment](#), and [UK economic growth](#)
First published: 1 March 2017

This strategy sets out how we will build on our success to date to develop a world-leading digital economy that works for everyone.

Policy paper

The Grand Challenges

Updated 21 May 2018

Contents

A Brave New World

- **Challenges and Opportunities**

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Analogy: Innovation in Public Services

- Improving quality and efficiency;
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Analogy: Innovation in Public Services

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- *No longer...*closed, top-down, bureaucratic and paper-based transactional models;
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- Challenge: Moving from research $\implies$ policy $\implies$ practice
- Digital skills, digital culture;
- **Requires collaborative, interdisciplinary mindset/teams**

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A New Curriculum for Wales

- Government cannot, and should not, provide all the answers;
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- Impact on attainment and progression in S&T: what will excellent/outstanding practice in S&T look like?
- Student-centered: what is the learning experience going to look like?
- **Quality teachers $\implies$ quality education**

Follow the Progress

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