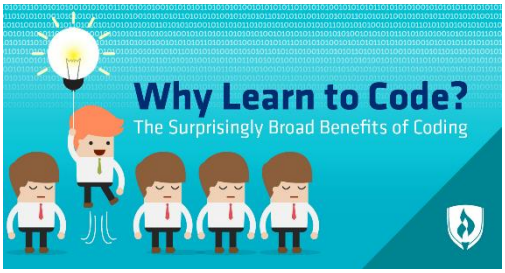
South Tyneside Council

Skills Service 2019/2020

Embedding Key Themes - September

Activity One	**National Coding Week**							
Key Themes	**M-** Maths	**E-** English	**ILT-** Information Learning Technology	**EDI-** Equality, Diversity Inclusion	**S-** Safeguarding	**P-** Prevent	**HS-** Health and Safety	**BV-** British Values

Overview



National Coding Week is a volunteer-led organisation founded in 2014. It aims to help build people's confidence and skills by encouraging volunteers to run fun and engaging digital events.

The aim of National Coding Week is to give adults the opportunity to learn some digital skills, it's not about making coders after one session.

By 2020, it is expected that the UK will have more than 750,000 new 'digital' jobs and British businesses will need to train nearly 2.3 million people to meet the demand, therefore individuals can play their part by learning new skills or sharing their expertise.

This week takes place between the 16-22 September. You don't need to be a digital business to support National Coding Week.

What is Coding?

Almost everything that relies on electricity relies on code. From your microwave to your car, your phone to your alarm clock, making it essential in the modern world.

In the digital age, there's a greater demand for coders than ever before, making it a lucrative career path to follow! That's not to say that entering the world of coding is purely done to get in to the workplace; many coders build apps and websites as hobbies, something which can be easily done with even a basic grasp of a coding language.

Digital Skills for the Workplace

The North East has one of the lowest proportions of people with essential digital skills for the workplace. By 2020 that the North East will be home to more than 2,500 software companies, employing over 28,000 people and contributing £2.5bn to the regional economy. It is vital that our future workforce has the skills and knowledge to maintain its competitive edge and access well-paid careers and progression opportunities.

Cllr Iain Malcom suggests with developments like the International Advanced Manufacturing Park set to create thousands of jobs, it is vital that we are nurturing a well-qualified, adaptable workforce to unlock the full potential of these economic opportunities.

Additional reading:

https://codingweek.org/wp-content/uploads/2018/12/infogrpahic-NCW-2018.pdf
https://www.investsouthtyneside.com/article/62785/Digital-Tech

Key Themes	**Differentiation/Stretching and Challenging Questions**		
	B (Beginners)	**I** (Intermediate)	**A** (Advanced)
M **E** **ILT** **EDI**	What is Coding? **Code is a set of instructions interpreted by a computer, very much like that of a recipe.**	By 2030 how many UK adults will remain digitally disengaged? **4.5 million or 8%**	Discuss: Should the Digital skills policy be driven locally and why would this benefit the borough? **Because of these different needs, each region should aim to develop a digital skills policy that matches the demand of local industries and develops the skills that may be needed to execute a human capital-based economic development policy.**

Activity two	Climate Change Action Summit							
Key Themes	M- Maths	E- English	ILT- Information Learning Technology	EDI- Equality, Diversity Inclusion	S- Safeguarding	P- Prevent	HS- Health and Safety	BV- British Values

Overview

Climate change is the defining issue of our time and now is the defining moment to do something about it. There is still time to tackle climate change, but it will require effort from all sectors of society. South Shields, Newcastle Quayside, Blyth, Berwick and significant areas of the Northumberland coastline will be submerged as global warming causes the temperature to rise, leading to rapid sea levels rises.

Why does the world getting warmer make sea levels go up?
You might think that with the world getting warmer there would be less ocean, but this is not the case. The warmer climate makes the seas rise for three reasons.

1. **Ice caps melt.** Well to be more accurate our massive ice sheets at the poles melt faster than they form from snowfall.
2. **The ocean expands.** As you probably remember from secondary school chemistry, when things warm they expand. The seas are no exception.
3. **High altitude ice.** As the planet warms the ice at altitude like on Everest will melt at a much higher point.

The activities of everyday life may be affected by climate change. These disruptions could be caused by:

- Flooding
- Storms
- Extreme temperatures
- Extreme rainfall
- Reduced water availability
- Power disruption

What can we do?
People tend to think that climate change is such a large issue that it is no use individuals doing things, and that it is up to governments or business. This is not the case.

It's the simple changes that we can make to make an impact!

- Wash your laundry at 30˚C
- Don't leave appliances on standby
- Don't use the car for short journeys
- Only boil as much water as you need
- Install at least three energy saving recommended bulbs

If we all make **small** changes, we can make a **big** impact.

Additional reading:
http://www.climateactionnortheast.org.uk/services/ https://www.gov.uk/check-flood-risk
https://www.un.org/en/climatechange/

Key Themes	Differentiation/Stretching and Challenging Questions		
	B (Beginners)	**I** (Intermediate)	**A** (Advanced)
M E ILT	What is Climate Change? **A change in global or regional climate patterns**	If STC is to reduce its carbon emissions by 20% based on a previous 744,310 tonnes of CO2. What would this look like? **595,448 CO2**	Discuss how the changes you make, can impact the borough in reducing its carbon footprint? **Support the borough in its target against reducing carbon footprint. Healthy place to live and work. Become a benchmark for change.**

Activity Three	**Online Safety**
Key Themes	**M-** Maths; **E-** English; **ILT-** Information Learning Technology; **EDI-** Equality, Diversity Inclusion; **S-** Safeguarding; **P-** Prevent; **HS-** Health and Safety; **BV-** British Values
Overview	Online shopping, social networking, job hunting and the ability to carry out official functions, such as renewing car tax or contacting local councils and government departments online, are now an everyday part of life. We must take care of our information as much as we do our health. Organisations that collect and use your information have responsibilities to protect it (GDPR). However, you must take precautions to protect yourself from identity fraud or the misuse of your information. When doing any online transaction, you can take steps to protect your personal information. Use the same common sense as you would when asked for personal information on paper or face to face. Ask yourself: • who is collecting the information? • what will be done with it? • is it necessary? • what are the consequences for me? Check a site's privacy notice to find out what it intends to do with your information. A privacy notice, sometimes called a privacy policy or statement, should tell you **who is collecting your information, what it is going to be used for, and whether it will be shared** with other organisations. If the intentions are not clear, ask the company concerned for further details before you give any personal data, especially if it is sensitive. Companies may want to use your personal information to send you marketing or pass your details to other companies for marketing. They should give you the chance to opt in or out of receiving this marketing. **Additional reading:** https://www.neechamber.co.uk/our-members/news/cyber-crime-the-invisible-enemy-posing-a-growing-threat-for-north-east-businesses-and-households https://nbsl.org.uk/images/downloads/2019/nerccu-newsletter-01.pdf https://eugdpr.org/

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ILT **EDI** **E** **S** **P-** **BV**	What does GDPR stand for? **The General Data Protection Regulation (GDPR)**	A company can be fined up to 4% of its annual turnover for data breaches. If a company has a turnover of £12.6 million, what would the fine be? **£504,000**	Discuss how cybercrimes can have a massive impact of on business in the local area. **The North East Regional Cyber Crime Unit (NERCCU) is a specialist police unit working within NERSOU to tackle Cyber Crime in line with the national serious and organised crime strategy.**