Louise Jones
Independent
Learning
Technologist
& Strategist

@scotlandlouise

Online Safety in the future classroom?

In 2020

Skills for the School community for managing the now

Douglas Adams 1999

“How to stop worrying & Learn to Love the Internet”

1) everything that’s already in the world when you’re born is just normal;

2) anything that gets **invented between then and before you turn thirty** is incredibly exciting and creative and with any luck you can make a career out of it;

3) anything that gets invented after you’re thirty is against the natural order of things and the beginning of the end of civilisation as we know it until it’s been around for about ten years when it gradually turns out to be alright really.

Apply this list to movies, rock music, word processors and mobile phones to work out how old you are.

Sheila MacNeil 2019

“Ethics and criticality are at the heart of education”

I think when our **world is in such a state of flux** it is important to ensure that ethics and developing criticality are at the heart of education.

We need to be questioning the validity and basis of everything just now.

More pedagogic change in the last 20 years than 1000 years

Henry of Germany lectures at the University of Bologna, latter half of 14th century

Introduction of Technology as a paradigm shift in education

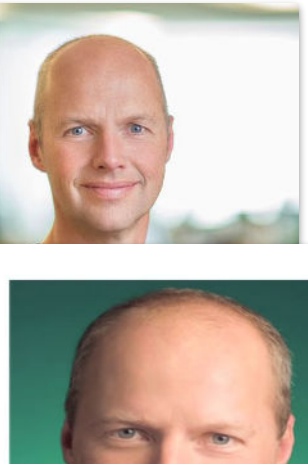
1991 Web (Berners-Lee)
1999 Search (Brin & Page)

- Wikipedia (Wales) - Remixing!
- Moodle & The Mooc - Mass structured school targeted online learning (Kahn)
- Mobile device Integration (Jobs)
- Cross Platform Browser (Nelson)
- 2006 TED! (Saul & Marks)
- YouTube (Chen, Hurley & Karim)
- Alexa (Amazon)

Khan Academy

"Stay Curious & Believe in Yourself"

SEBASTIAN THRUN
TO HARVEY MUDD



Sebastian Thrun

FLIPPED LECTURES
University 2.0

200 students
160,000 students

Udacity.com 500,000

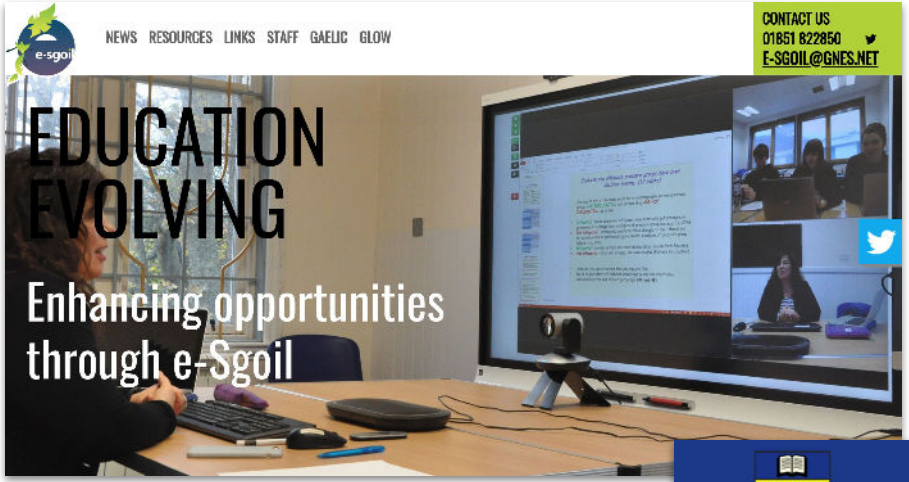
Scale, amplification, access to technology and replication of content.

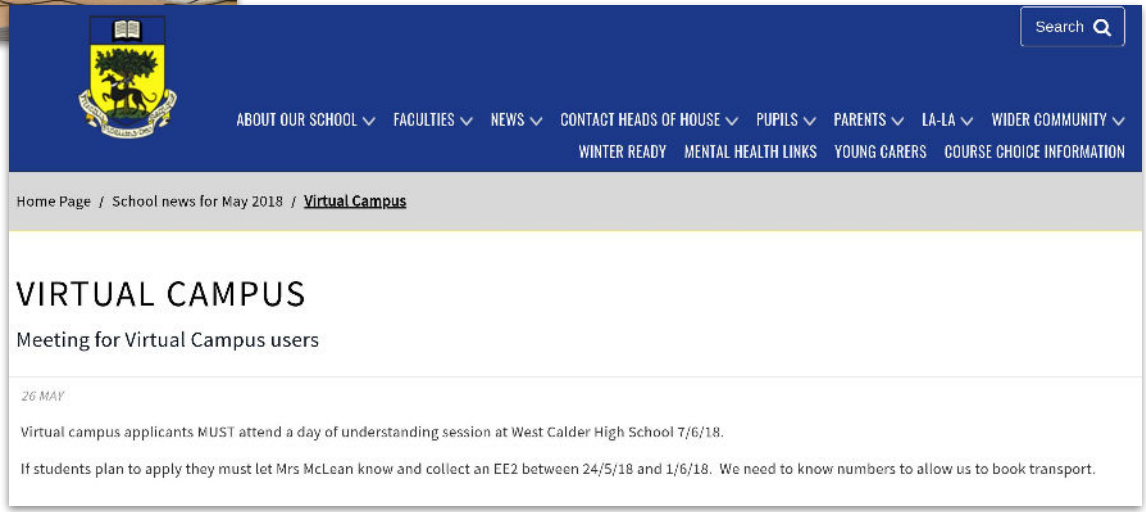
Education has been freed from a specific place and time.

Education is changing, the notion of the classroom has to change

Learning, Anytime & Anywhere

Feedback & community


NEWS RESOURCES LINKS STAFF GAELIC GLOW
CONTACT US
01851 822850
E-SGOIL@GNES.NET
EDUCATION EVOLVING
Enhancing opportunities through e-Sgoil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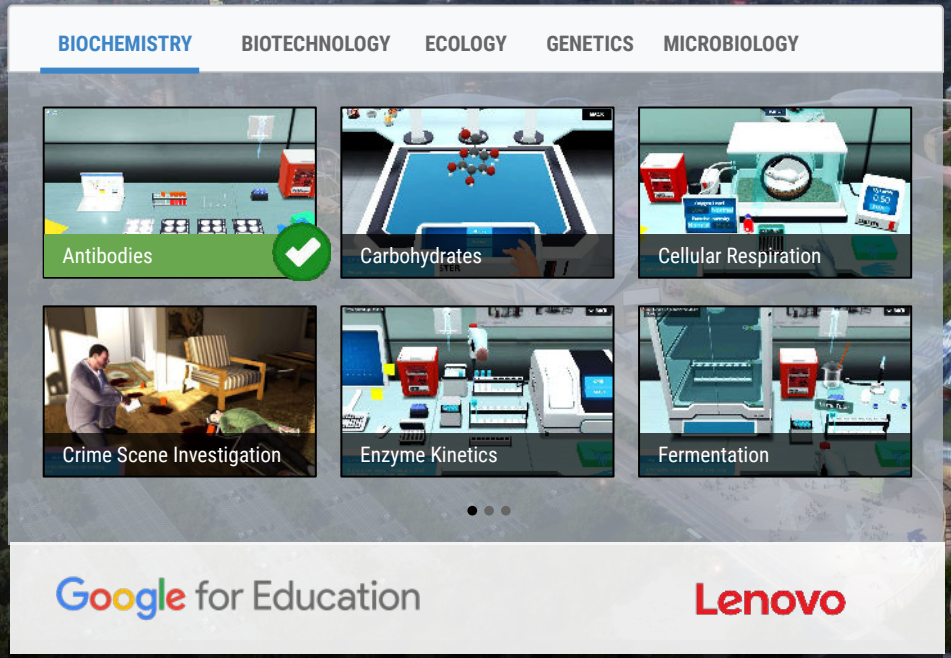
PARENTS
LA-LA
WIDER COMMUNITY
WINTER READY
MENTAL HEALTH LINKS
YOUNG CARERS
COURSE CHOICE INFORMATION
Home Page / School news for May 2018 / Virtual Campus
VIRTUAL CAMPUS
Meeting for Virtual Campus users
26 MAY
Virtual campus applicants MUST attend a day of understanding session at West Calder High School 7/6/18.
If students plan to apply they must let Mrs McLean know and collect an EE2 between 24/5/18 and 1/6/18. We need to know numbers to allow us to book transport.

LABSTER



Labster and Google Launching
Virtual Reality Biology Labs

Daydream
Virtual Biology Labs

KEY STAGE 4 CURRICULUM

OUR AIM HAS BEEN TO ENSURE THAT EVERY STUDENT FOLLOWS A BROAD AND BALANCED CURRICULUM.

Timetable Periods																			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ENGLISH				MATHS			SCIENCE			LANGUAGES		PE		OPTION A		OPTION B		OPTION C	

Each timetable period lasts for 1 hour and 20 minutes.

Core Curriculum:

Every student will take English Language, English Literature, Maths, Combined Science, a Language and PE as well as three subjects (one from each block) from the option blocks A,B & C below.

However

- **Most** students **will have to choose at least one Humanities.**
- This means that **the majority of students** will study a broad **core of traditional academic** subjects (known as the **EBacc**) which we believe will fully prepare them for entry into higher education and eventually the competitive world of work.

Option Choices

OPTION A	OPTION B	OPTION C
History	Geography	History
Geography	Economics	Media
Art	Art	Music
PE	Drama	PE
Media	DT	Religious Studies
Computer Science	Triple Science	Triple Science
DT	Religious Studies	Health & Social Care
Enrichment*	Enrichment*	Enrichment*

* Some students will be guided to choose Enrichment in order to provide additional support in English or Maths.

Students **may not choose** both DT and Art together.

We will always need human connections, interaction, relationships, love, kindness, compassion for development of our emotional intelligences.

Soft skills, kindness & Human touch

Automation. Will these skills propel different kinds of roles into highly paid jobs in the future? Caring professions?

The Virgin Group will no longer ask job candidates about their exam results, Sir Richard Branson has announced.

"The Virgin Group will not ask anyone for their exam results ever again", Branson told the Made By Dyslexia Global Summit on Monday.

Accessibility

Inclusive Learning Cultures

AI and Machine Learning

A.I. is the science behind making things appear smart

Machine Learning is a technique used to develop A.I.

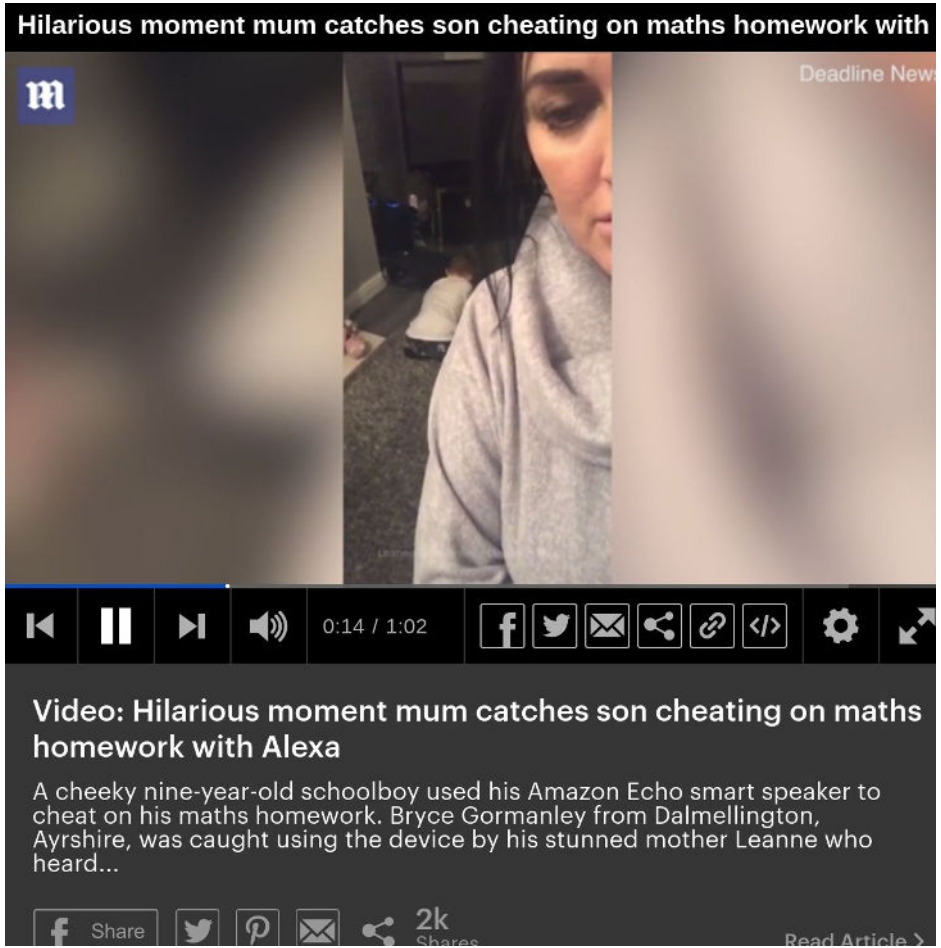
Anthropomorphising

‘AI is competence without comprehension’

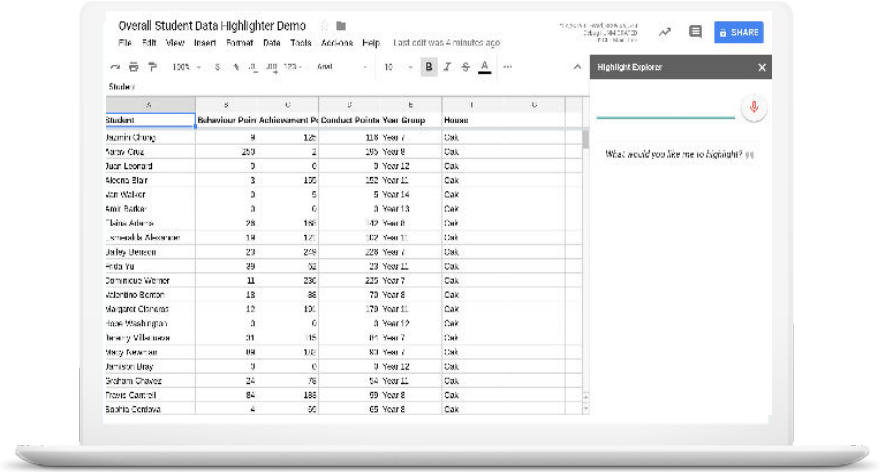
Donald Clark
@DonaldClark

This focus on the anthropomorphic word 'intelligence' seems odd... AI is competence without comprehension. Really a historical accident by McCarthy who coined the term AI in 1956 - many see that word as a mistake... a category error...

Learning, in the age of a voice first world!



Chatbots & Conversational Interfaces



Real need to use our knowledge, intelligence, literacy, language skills in asking the right questions

A Voice First World

Alexa at St Louis University

"Voice is the future of a frictionless world" - Gary Vaynerchuk

Ask Ada

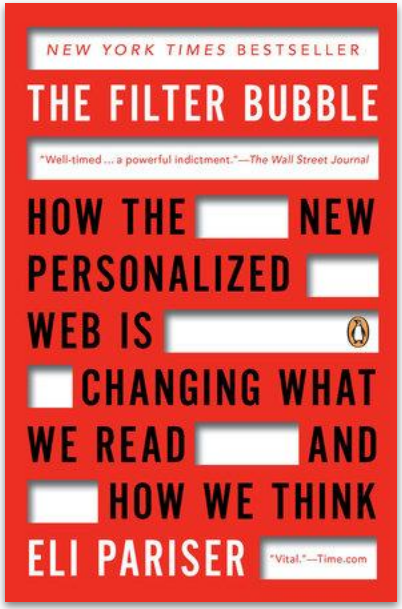
AI Chat Bot helping students and teachers in Bolton College, developed by Aftab Hussain.

Article

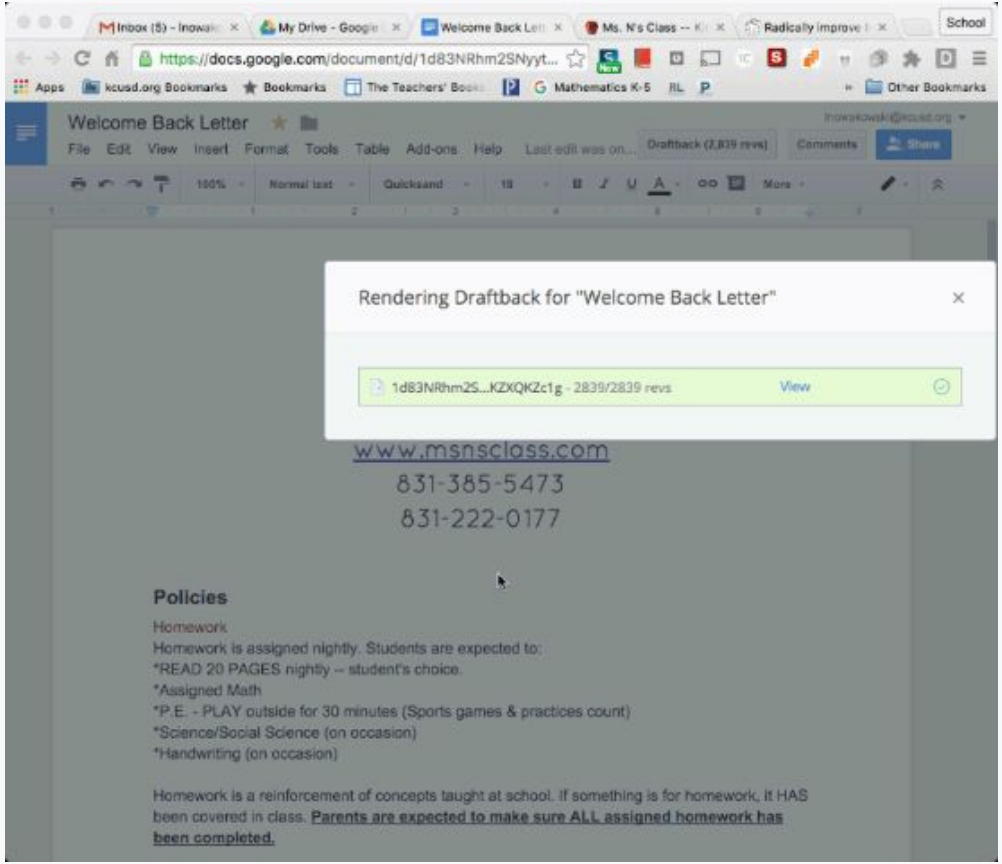
A search will yield 1,000's of results. **What if you ever only saw the top one?**

Add to that - Invisible algorithmic editing of the web

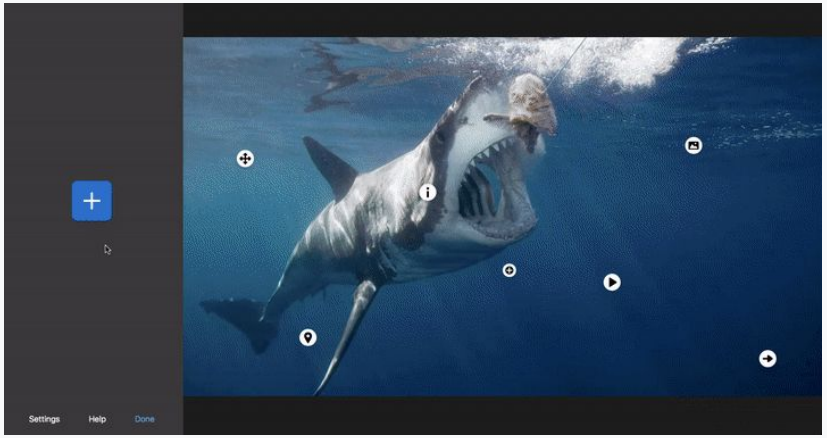
The internet is showing us what it thinks what want to see - Eli Pariser



Meta Data & Data Literacy



Immersive Experiences



thinglink.

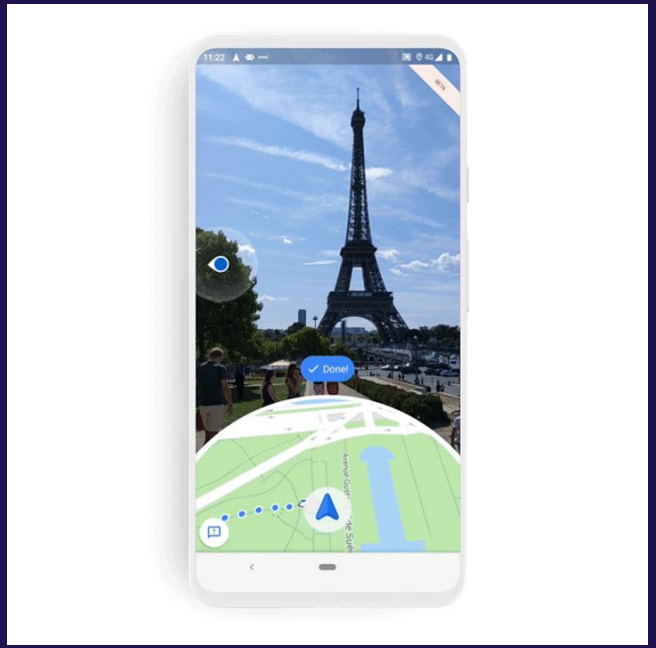
Virtual Reality

is a complete immersion experience viewing a different place or even space. The viewer is transported to a new place or space, can be anywhere or anything!

Augmented and Virtual Reality

Augmented Reality adds digital elements to a live view often by using the camera on a smartphone.

AR Headsets can do this too! Devices like ClassVR negate the need for a device.



Essential criticality of education technology

Service providers, look after your data, selling it back to you.

Free, Freemium Brand Love and Marketing

Devices?

PC

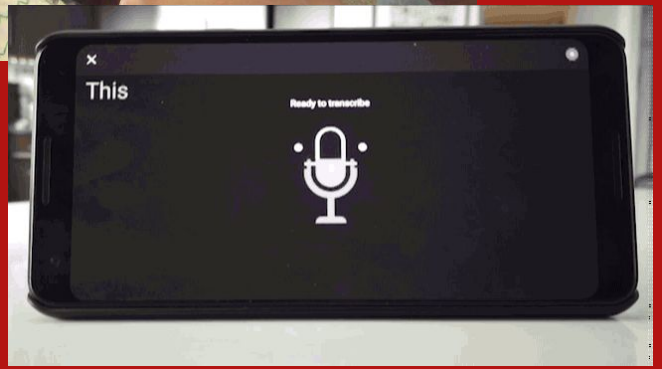
Installed Software

Tablet Devices

chromebook

Laptops

Flipping surveillance or ‘Sousveillance’



Privacy, don’t care culture Who is interested in me and my data?

hello ! Do you want to know after 20 years you will look like? Please Click here to view http://bit .ly/1BDzD84

I tried very fun and interesting http://appnew2015 .cf/

GDPR
the new gold standard

- ➔ The most significant piece of European data protection legislation to be introduced in 20 years
- ➔ Strengthens the rights that individuals have regarding personal data
- ➔ Right to be forgotten
- ➔ Harmonises EU data protection law
- ➔ Fines with teeth! % of Turnover

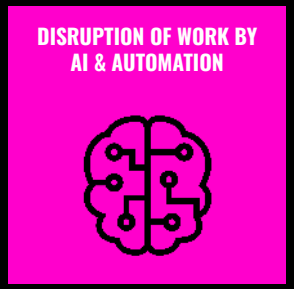
GDPR is a good thing!

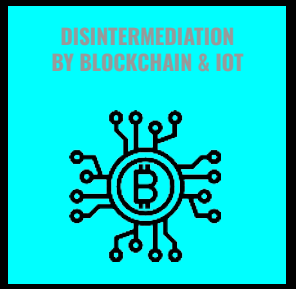
Sharing (the right type of content) is caring

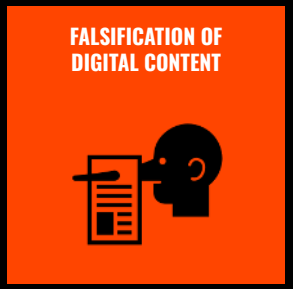
Building a collaborative culture not an echo chamber

EXISTENTIAL THREATS

+ DIGITAL THREATS







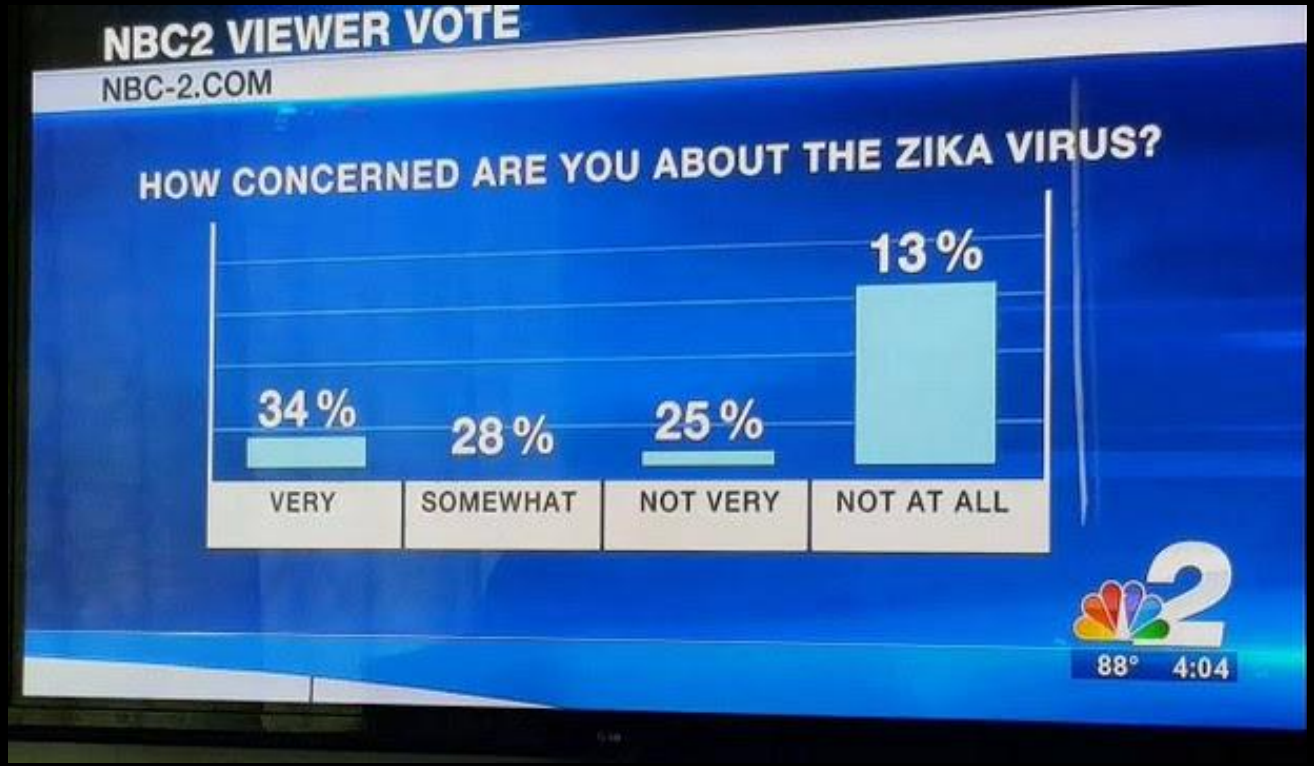
FALSIFICATION OF DIGITAL CONTENT

DEEPFAKES:

TEXT
IMAGES
AUDIO
VIDEO

SOCIAL MEDIA BOTS

NEW DARK AGES AND SPREAD OF IGNORANCE



CRITICAL THINKING AND PROBLEM-SOLVING

COLLABORATION ACROSS NETWORKS AND LEADING BY INFLUENCE

AGILITY AND ADAPTABILITY

INITIATIVE AND ENTREPRENEURIALISM

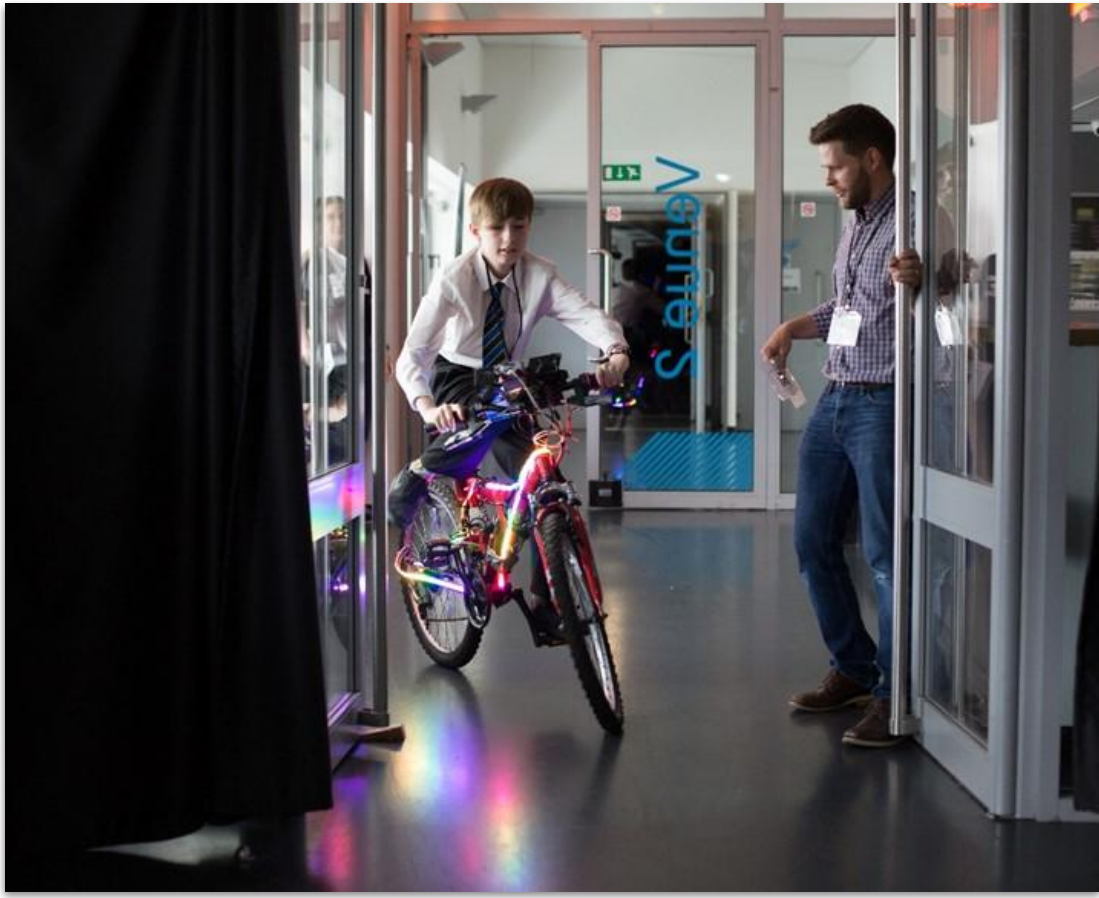
EFFECTIVE ORAL AND WRITTEN COMMUNICATION

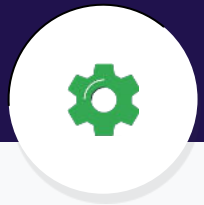
ACCESSING AND ANALYSING INFORMATION

CURIOSITY AND IMAGINATION

The more advanced we get with technology, the more important that **human learning** and **skills** will become.

Projects with Social Purpose





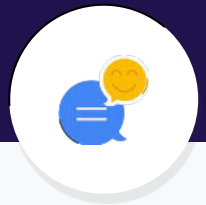
Self management

Focussing

Integrity

Adapting

Initiative



Social intelligence

Communicating

Feeling

Collaboration

Leading

Innovation

Curiosity

Creativity

Sense making

Critical thinking

Criticality & Accountability

Technology and Safety?

For Learners

Skills based learning approaches, combined with soft skills, emotional literacy and kindness. Critical thinking. Health and Wellbeing.

For Teachers

Relationships , Pedagogical approaches, Literacy, empathy, engaging and playful experiences. Multi-modal feedback. Criticality.

For Community

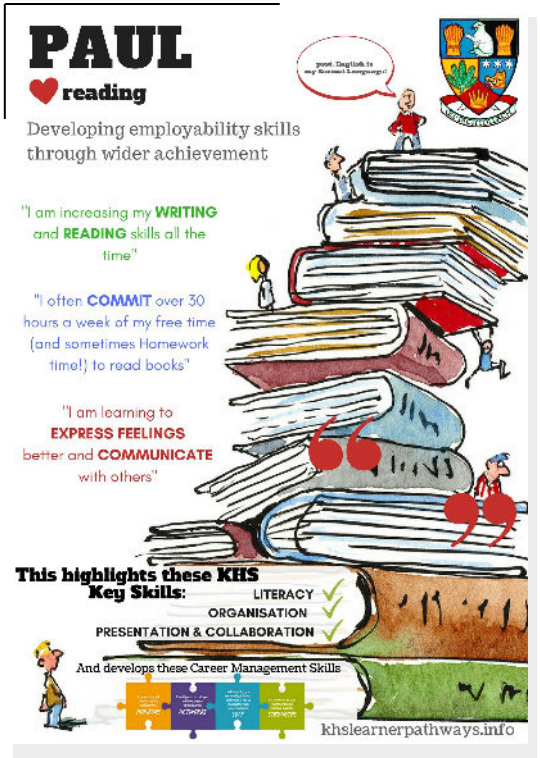
Staff development support. Reinforcing the standards, questioning and supporting our learners. Portable habits for life.

For Industry

Programmes, the learning initiatives, the care and compassion to change. Criticality and accountability. Privacy by design.

Visual CVs

Developing employability skills through wider achievement
"Playing shinty keeps me ACTIVE and in shape and has helped build my SELF ESTEEM"
"Being at the pinnacle of the forward line allows me to ENCOURAGE OTHERS in the team"
"My involvement in shinty means I have been able to BUILD RELATIONSHIPS and get to know lots of people which has helped me grow in CONFIDENCE"
"Receiving my saltire award for doing 200 hours of shinty coaching demonstrates my COMMITMENT to the sport"
Roddy Shinty
This highlights these KHS Key Skills:
MESP
LEADERSHIP
THINKING
ORGANISATION
"I have learned that TEAMWORK is so important when you are part of a shinty team...without it we would not be as successful"
And develops these Career Management Skills
khslearnerpathways.org


PAUL
reading
Developing employability skills through wider achievement
"I am increasing my WRITING and READING skills all the time"
"I often COMMIT over 30 hours a week of my free time (and sometimes Homework time!) to read books"
"I am learning to EXPRESS FEELINGS better and COMMUNICATE with others"
This highlights these KHS Key Skills:
LITERACY
ORGANISATION
PRESENTATION & COLLABORATION
And develops these Career Management Skills
khslearnerpathways.info

Developing employability skills through wider achievement
Tori....art
"I have used my ENTERPRISING skills by making and selling products as a fundraiser for my trip to Malawi"
"I have become RESILIENT through receiving feedback"
"I CREATE my own artwork using my IMAGINATION, adapting images and manipulating them"
"I can show I am ADAPTIVE by learning to 'mix it up' and getting out of my comfort zone"
"I stay MOTIVATED by seeing the bigger picture in order to get work done and remaining on task"
This highlights these KHS Key Skills:
Collaboration & Presentation
Creativity
Entrepreneurial
And develops these Career Management Skills
khslearnerpathways.info
Developing employability skills through wider achievement
Eilidh
Duke of Edinburgh Expedition
"We have had to cope with CHALLENGING SITUATIONS such as river crossings, bogs and sore feet!"
"As part of the expedition we won, AS PART OF A TEAM of 4 - 7 people"
"I have learnt how to MANAGE RISK such as poor weather, what to do if we get lost or dealing with an emergency"
"We had to do a PRESENTATION about the expedition as part of the final assessment"
"I have been prepared to LEARN NEW SKILLS such as navigation, camp craft and first aid"
"Preparing for the expedition and sorting my equipment each day helps me develop my ORGANISATION skills"
This highlights these KHS Key Skills:
Organisation
Leadership
Thinking
MESP
And develops these Career Management Skills
khslearnerpathways.info
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khslearnerpathways.org

Meet Eilidh (S5)

Creating a Visual CV to link my wider achievements to employability skills was like opening a window on a windy day. Everything changed so quickly.

I suddenly just got it and could visualise my skill set. I feel indestructible at interview because I can talk about what I do best”

If you think you are too small to make a difference…

…meet the Scottish Midge!

Thank you!