



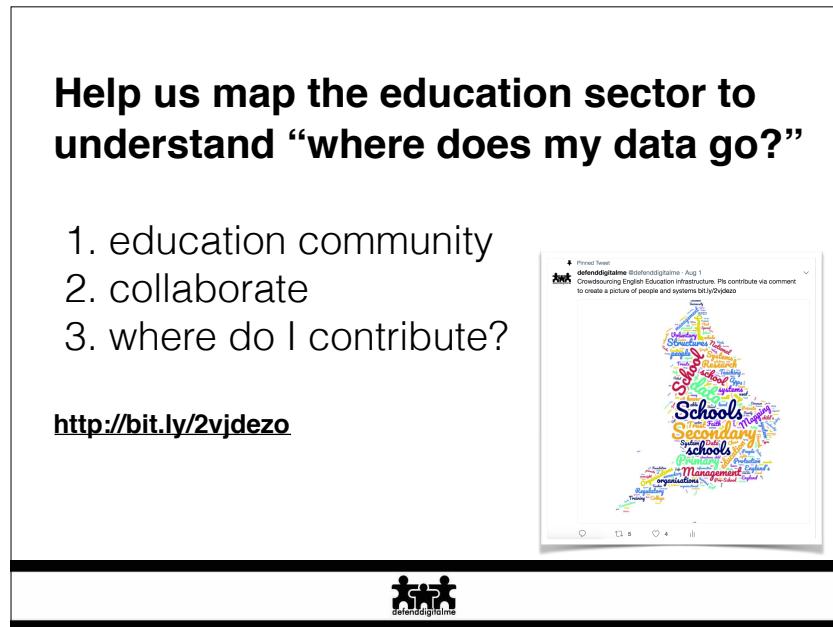
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1



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The Organisations and the People

1. infrastructure units
 2. third parties
 3. relationships

<http://bit.ly/2vjdezo>



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Why map children's digital footprint throughout education

1. education orgs have legal duties and transparency responsibilities
 2. individuals (incl. children) have rights to be told
 3. lack of understanding limits transparency and involvement and digitally disempowers children
 - (4. and as a bonus, staff should better understand how and where they contribute to the big picture of education in England)

<http://bit.ly/2vjdezo>



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Data structures and data access vs data transfer requirements

1. reports
 2. history
 3. legal and regulatory

<http://bit.ly/2vjdezo>



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Why this matters ‘now’

"Will the Minister talk to the DfE about this, and include a warning about the national pupil database? The NPD routinely collects highly sensitive data about all the nation's children and shares them across government departments, with academics and with private companies. There is little transparency as to why it collects what it does, it is a workload pressure on teachers and I hope that the Minister can help them quickly address concerns about this data collection.

“Our digital future is uncertain. With transparency, inclusion and understanding, we can progress with consent and confidence.”

Lord Jim Knight, Digital Understanding, 7/9/2017 House of Lords



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Your Homework

Add them here in comments <http://bit.ly/2vjdezo>



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The technology the office uses for admin include:

absence / sickness? biometrics
for lockers/library/canteen/
printing? cashless systems?
CCTV? clubs and homework?
communications from school?
Interoperability / data transfers
from SIMS systems? RFID?

Add them here in comments <http://bit.ly/2vjdezo>



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Think about your school and map it

1. scribble down/ list / share/
use post-its to capture them all
2. second step is to work out the data flows and access:
who can view what data for how long and why?

- a. classroom tools
- b. online / cloud providers
- c. paper records
- d. technology on the school estate
- e. third parties



<http://bit.ly/2vjdezo>



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The app providers I use are:

when I sign up children with
any provider / company /
teaching / technology tool,
what data does it collect? or
do I create or do I enter from
and for each child?
Retention? Destruction?
Storage where?

Add them here in comments <http://bit.ly/2vjdezo>



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The safeguarding providers used at school are:

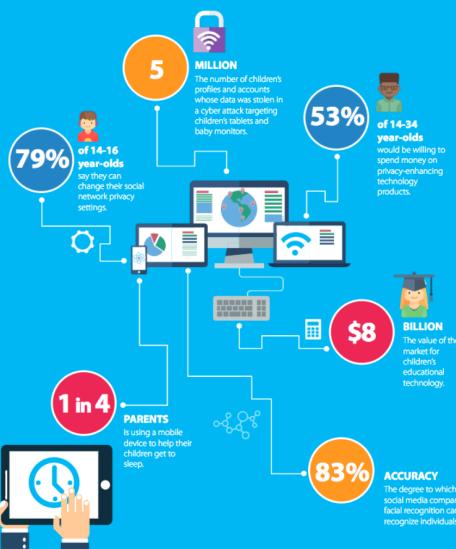
when children use our computers and technology what information does the provider / company / BYOD/ technology tool collect? Store? Pass on to which others?

Add them here in comments <http://bit.ly/2vjdezo>



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CHILDREN ONLINE



The Global EdTech context

\$8 billion:
the value of the
market for children's
educational
technology (EdTech)

image source: UNICEF discussion paper series
Children's Rights and Business in a Digital World
https://www.unicef.org/csr/files/UNICEF_CRB_Digital_World_Series_PRIVACY.pdf

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UK Digital Strategy

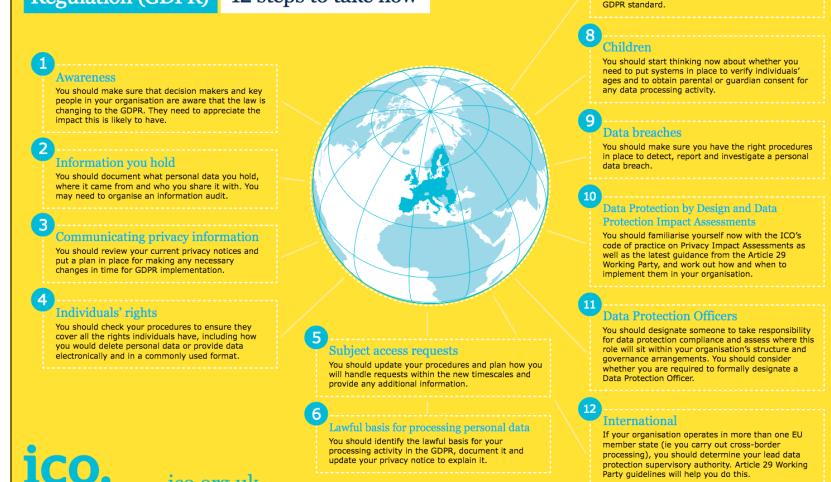
"Education technology is one of the fastest growing sectors in the UK, accounting for 4% of all digital companies, and UK businesses have become world leaders in developing innovative new technologies for schools."

[government UK Digital Strategy, March, 2017]



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Preparing for the General Data Protection Regulation (GDPR) 12 steps to take now



ico.org.uk

enforceable May 25, 2018

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What about Freedom to Develop, Parental prejudices, Data Bias, Rights to Protect Reputation

“Children’s education should develop each child’s personality, talents and abilities to the fullest.”

[UN Convention of the Rights of the Child]



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GDPR and Sensitive personal data

"The GDPR refers to sensitive personal data as "special categories of personal data" (see Article 9). These categories are broadly the same as those in the DPA, but there are some minor changes.

For example, the special categories specifically include genetic data, and biometric data where processed to uniquely identify an individual. (i.e. pupil fingerprints are biometric data)

Personal data relating to criminal convictions and offences are not included, but similar extra safeguards apply to its processing (see Article 10).”

[ICO, 2017]



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GDPR: Start from Recital 38

“Children merit specific protection with regard to their personal data, as they may be less aware of the risks, consequences and safeguards concerned and their rights in relation to the processing of personal data.”



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Types of data collected

- Pupil personal data
 - Parent /guardian personal data
 - Attainment
 - Absence, Behavioural, Classroom apps, Exclusion, Identifiers, SEN care and health
 - Fixed and flexible characteristics over time



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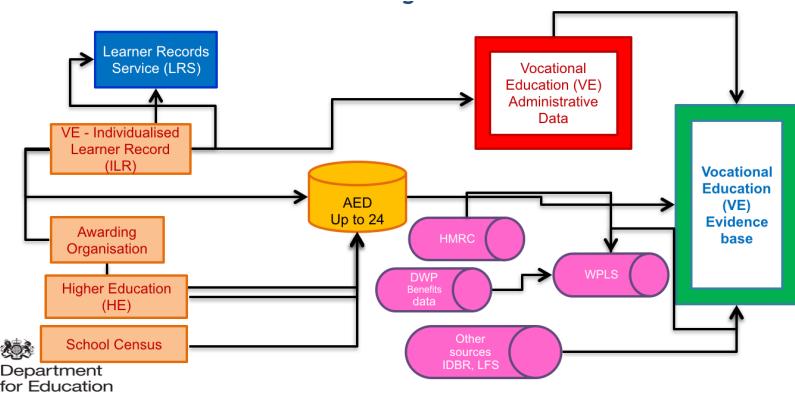
Purposes of data in State Education

- Direct schooling and support
- Administration and Accountability
- Safeguarding and social care support
- Permanent retention (England's National Pupil Database ca. 23 million identifiable records)
- Public interest research
- Other 'research' purposes
- Other national and local purposes



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Linked longitudinal admin data used at government level: 'destinations data'



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Data in State Education in England: Case Studies of national level use



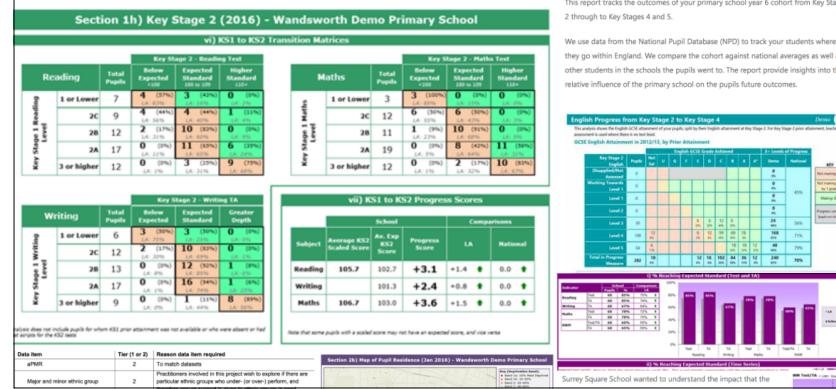
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Mime Consulting

<http://defenddigitalme.com/wp-content/uploads/2017/03/MimeConsulting.pdf>

We use our proprietary data warehouse, DataHub, to process a huge range of education data.

"We use data from the NPD to track your students wherever they go within England."



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Telegraph Newspaper

"date of birth to track progress of different age groups within a class, and postcode to track how different datasets based on address affect results"

Please select the suitable Tier which will cover all the information you are applying for:			
Information Tier	Information Type	Description	Tier Requested
1	Individual pupil level data - Identifying and / or Identifiable and Highly Sensitive	<p>Individual pupil level extracts that include identifying and highly sensitive data items about pupils and their characteristics including items described as 'sensitive personal data' within the UK Data Protection Act 1998</p> <p>Examples of identifying data items include Names, Address and Date of Birth.</p> <p>Examples of highly sensitive data items include Looked After Status, In Need Status, Full Ethnicity, Full Language and Primary and Secondary SEN Types, reasons for exclusions and absence.</p>	<input checked="" type="checkbox"/>
2	Individual pupil level data - Identifiable and Sensitive	<p>Individual pupil level extracts that include identifying and highly sensitive data items about pupils and their characteristics including items described as 'sensitive personal data' within the UK Data Protection Act 1998. These datasets which have been recoded to become less sensitive.</p> <p>Examples of sensitive data items include ethnic group major, ethnic group minor, language group major, language group minor, Special Educational Needs and eligibility for Free School Meals.</p>	<input type="checkbox"/>

The Daily Telegraph

From: [REDACTED]
Sent: 17 February 2013 16:01
To: [REDACTED]
Cc: [REDACTED]
Subject: REQUESTS: NPD
DRAFT: Daily Telegraph Request

For info:
I have now spoken with [REDACTED] at the Daily Telegraph about their data request, which was discussed at last month's DMAP meeting. They have clarified that their aim is compare the performance of schools at the level of individual subject factoring in variations in the type of students enrolled at each school. They are not looking to compare the performance of individual teachers and have offered "cast iron assurances that no children will be identified through our use of this data".
Following this discussion they are content to receive tier 2 level data comprising the KS2, KSA and KSS datasets matched to the school census. We are planning on supplying them 5 years of data which they will be able to use for up to 12 months. This contrasts with their original request for all datasets for all years at tier 1 level.

"...have offered cast-iron assurances that no children will be identified through our use of this data." (Not could not, but would not).

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Tutor Hunt

"Private Tutors & Personal Tutors For Home Tuition"

The schools pages here give the parents a comprehensive guide to local schools. One feature which we are looking to add is to show a schools catchment area. We aim to implement something similar to the below heat map for each school.

To implement this we would need pupils post code data for all schools.



ANNA (0.2MI FROM SCHOOL)

Location: Stockport, Cheshire
I am a qualified law teacher with experience of working w...
[more]

Subjects: Law

ALLY (0.4MI FROM SCHOOL)

Location: Stockport, Cheshire
Are you looking for a private tutor who teaches the life...
[more]

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"the price of innovation does not need to be the erosion of fundamental privacy rights."

[Elizabeth Denham, The Information Commissioner
3 July 2017, findings on Google DeepMind and Royal Free]



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- What do *your* privacy notices look like?
- Will you be able to tell pupils and staff where their personal data goes by May 25, 2018, if not now?
- Are your own, or DfE, or Third Party use clear and understandable to a child at your organisation?

<https://www.gov.uk/government/publications/data-protection-and-privacy-privacy-notices>

For information on which third party organisations (and for which project) pupil level data has been provided to, please vi: <https://www.gov.uk/government/publications/national-pupil-database-requests-received>



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Actions to take away

1. **Now by Oct 5th:** Refuse. Retract. Resist use of all school census data in immigration enforcement and the collection of nationality #BoycottSchoolCensus
2. **ASAP and by Dec 1:** Contribute (anon or with name) to “where does my data go?” for report to be published in 2018. See link to add comments <http://bit.ly/2vjdezo>
3. **Now and medium term:** Review data policy and practice and carry out data audit of what you hold and why ahead of May 25, 2018
(Data Protection Officer)



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Questions?

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@defenddigitalme / @TheABB



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