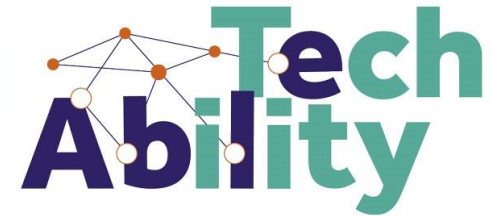


Making effective use of technology in study programmes for learners with SEND

Lisa Featherstone

Welcome

- Housekeeping
- Permissions
- Wifi network and code



- Web: <http://www.techability.org.uk/devsite/>
- Twitter: @tech_ability1 #ATmeet
- Social network:
<https://www.yammer.com/techability>
- Email: techability@natspec.org.uk

Padlet

If you have access to the internet , please go to

[Tinyurl.com/padlet0606](https://tinyurl.com/padlet0606)

Double click anywhere and write your name and something unusual about yourself

Programme

- Introduction to the TechAbility Service



- Access hierarchy
- Accessible Documents
- Learner created content

What is TechAbility?

- It is a service that provides Assistive Technology (AT) and Information Technology (IT)
 - Bespoke support
 - Peer to peer networks and sharing of practice
 - CPD
 - Signposting

Aims

- Aims – improve outcomes
- Who for? Audience (role) and sector
- Defining AT

"Assistive technology is any product or service that maintains or improves the ability of individuals with disabilities or impairments to communicate, learn and live independent, fulfilling and productive lives."

Drivers

- DART 2.1 and sector consultation
- Changing agency landscape and funding scenario
- Ofsted inspector requests for LLDD support
- Sustainable model essential
- The ethos of the service is collaborative, maximising knowledge, expertise and sharing with the community



How can you get involved?

How can you get involved?

- If you need tailored support for your organisation, whether it be for:
 - MIS
 - reviewing your strategy
 - upskilling a group of staff
 - or something else....

Talk to us! We will broker specific support based on the need identified

How can you get involved?

- Maybe you can offer your expertise, on a secondment, on a consultancy basis or skill swap
- Share your skillset; join our [associate pool](#)

How can you get involved?

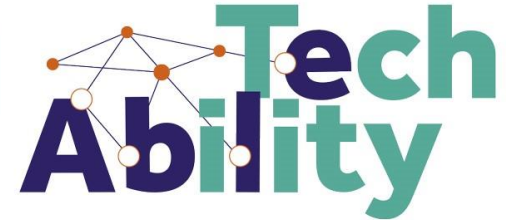
- Join our peer network – share your enthusiasm and foster self-development from your fellow peers
 - through face-to-face and on-line ATmeets
 - Yammer – social network and information store <https://www.yammer.com/techability>
 - How to videos
 - Suggested resources
 - Relevant news

How can you get involved?

- Tell us the types of CPD you need – we will arrange training and activities to suit, egs
 - legal changes to data protection need an organisational response
 - assessing learners needs
 - software and apps enabling access to the curriculum
- Or signpost to accredited courses



Contact us



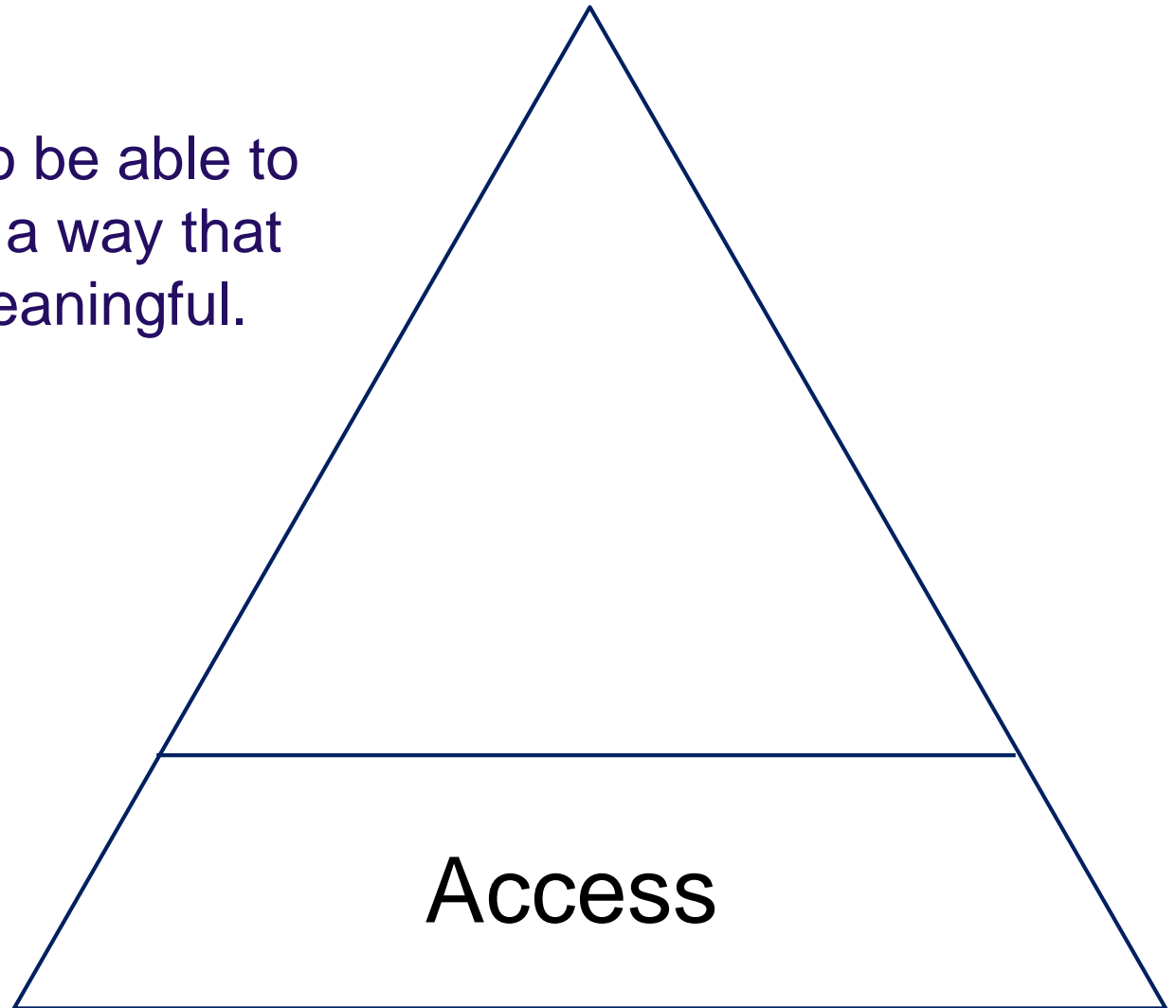
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Digital tools

- Learning using digital tools
 - Access
 - Communication
 - Content creation and control
 - Accessibility – or universal design for learning

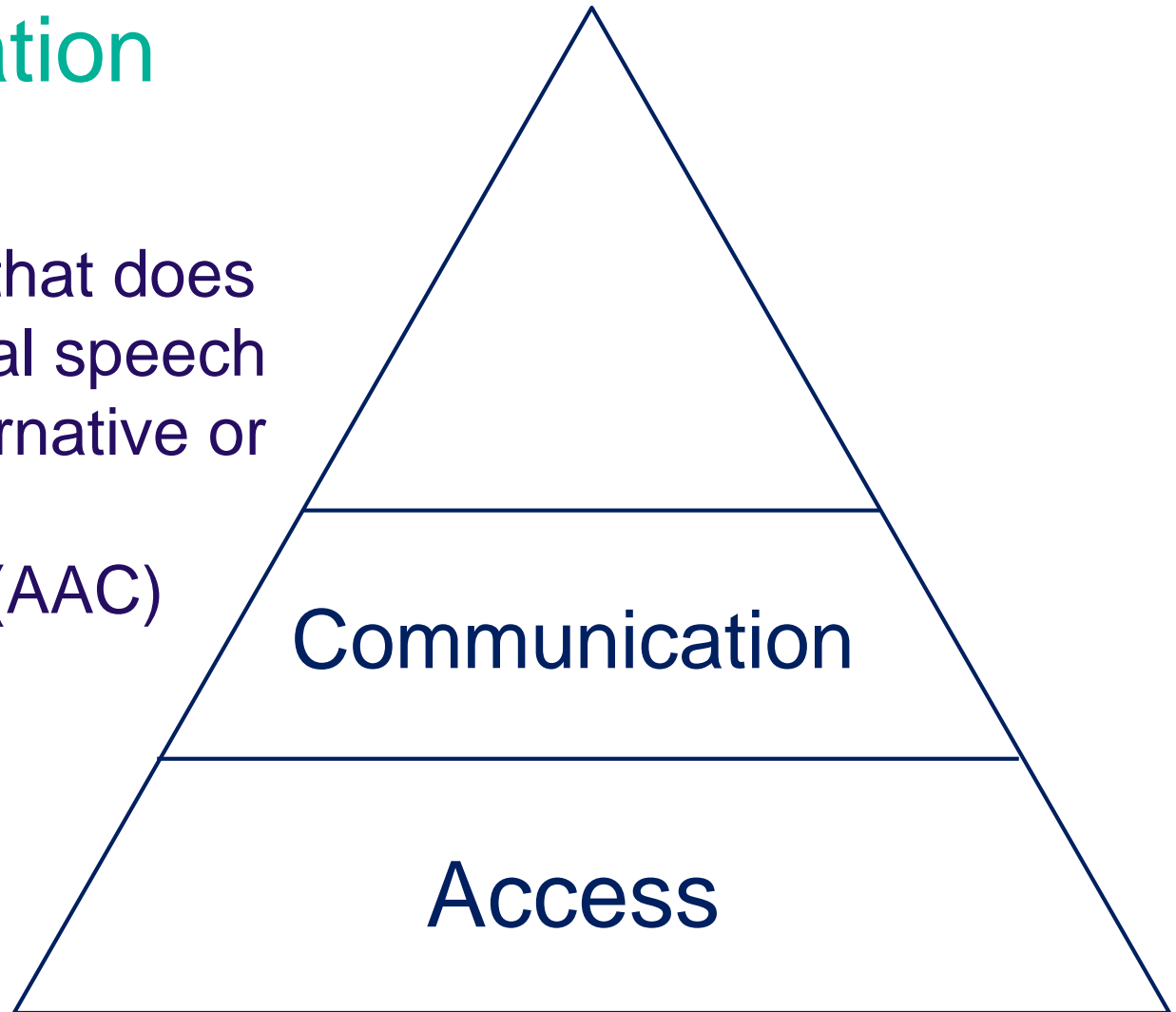
Hierarchy

A learner needs to be able to get information in a way that is relevant and meaningful.



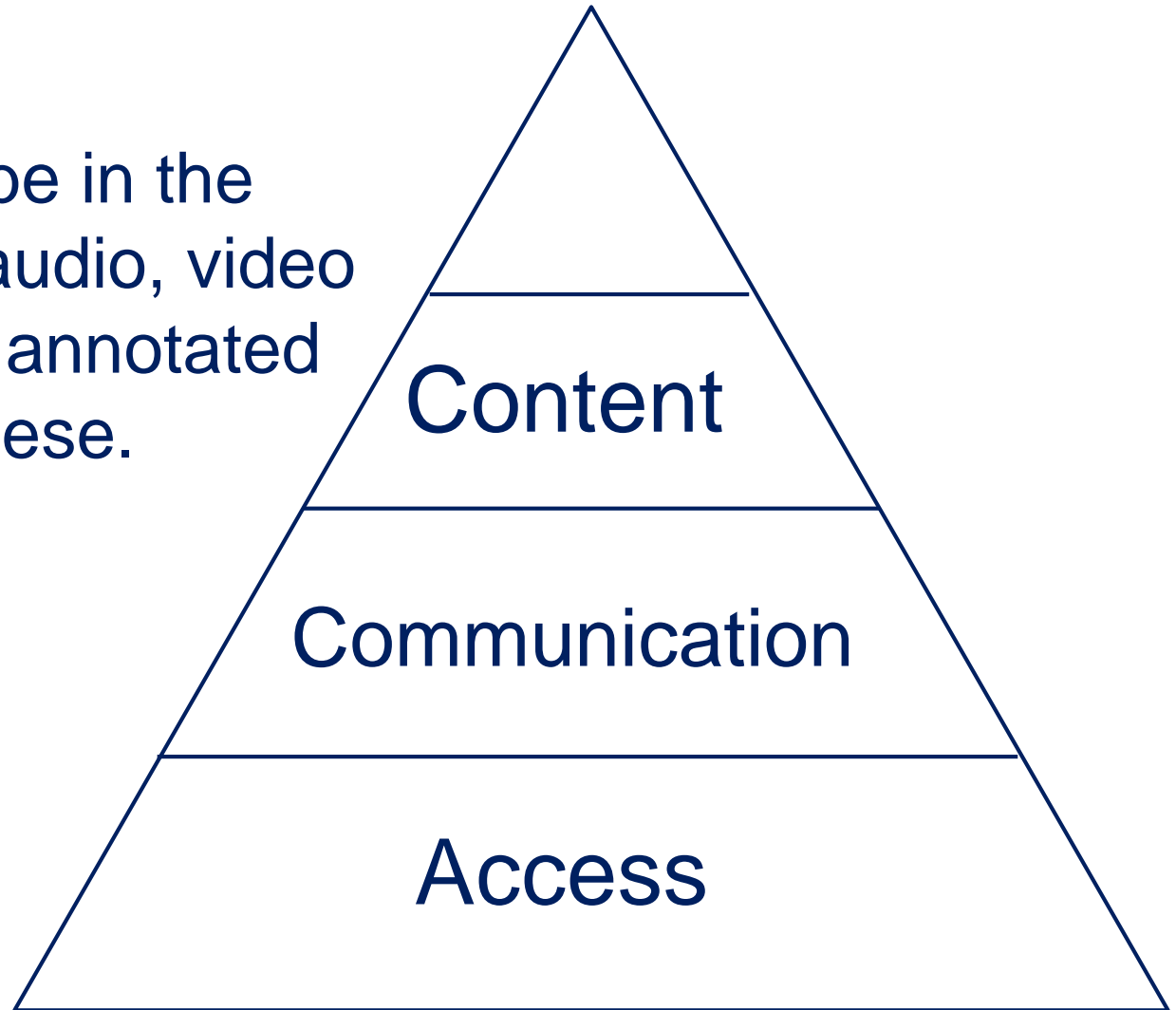
Communication

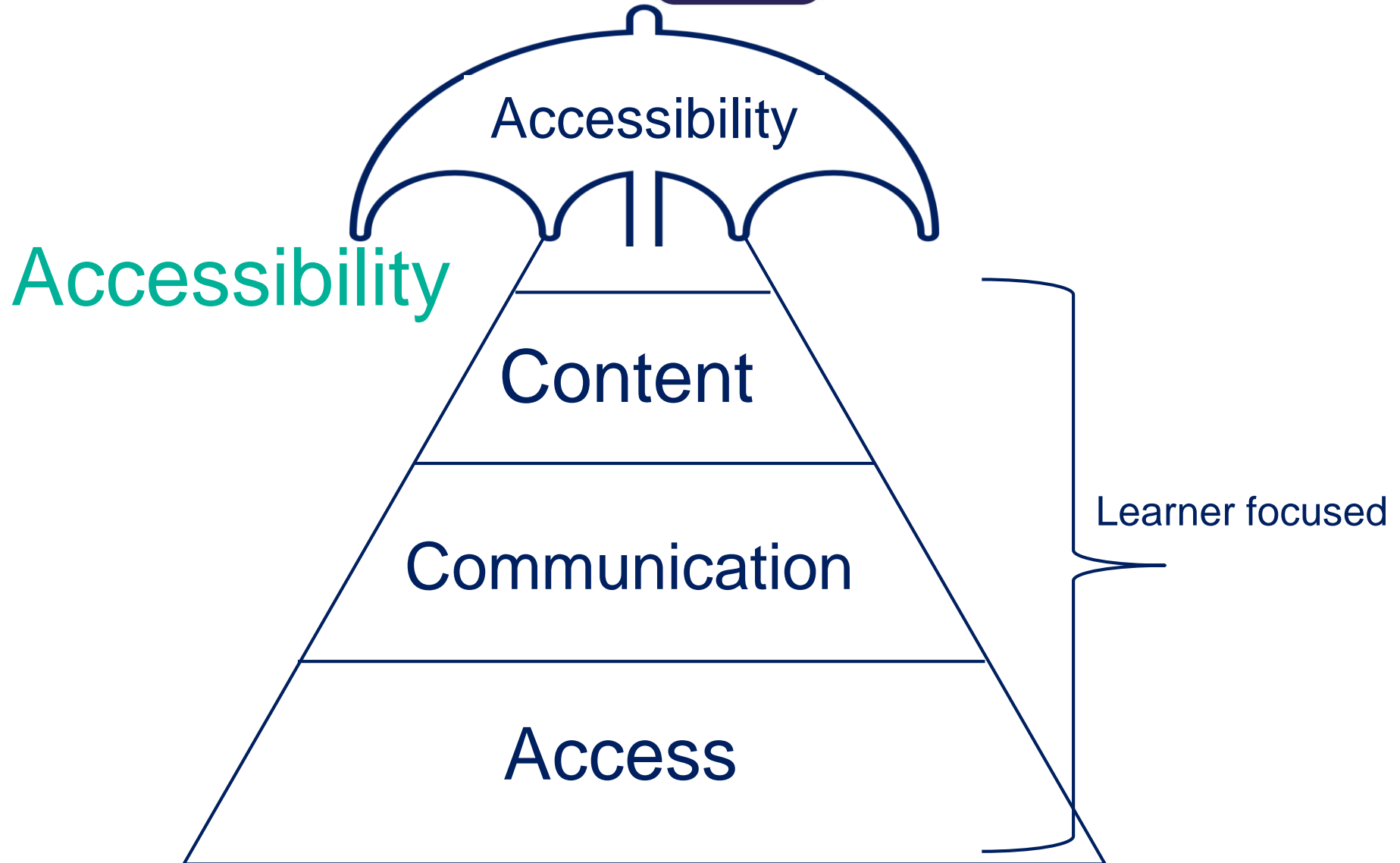
Any form of communication that does not involve verbal speech is known as Alternative or Augmented communication (AAC)



Content

Content can be in the form of text, audio, video or interactive annotated versions of these.





Accessibility

- Accessibility is an ethos used by all support or teaching staff when they are planning or creating content.
- Content needs to be available in a variety of formats.

Examples

- Correctly structured documents
- Alt text for images
- Transcript for audio or video content
- Subtitles for video
- Ideally – audio description for video
- All rich media to have text that can be manipulated or changed

Accessing Text

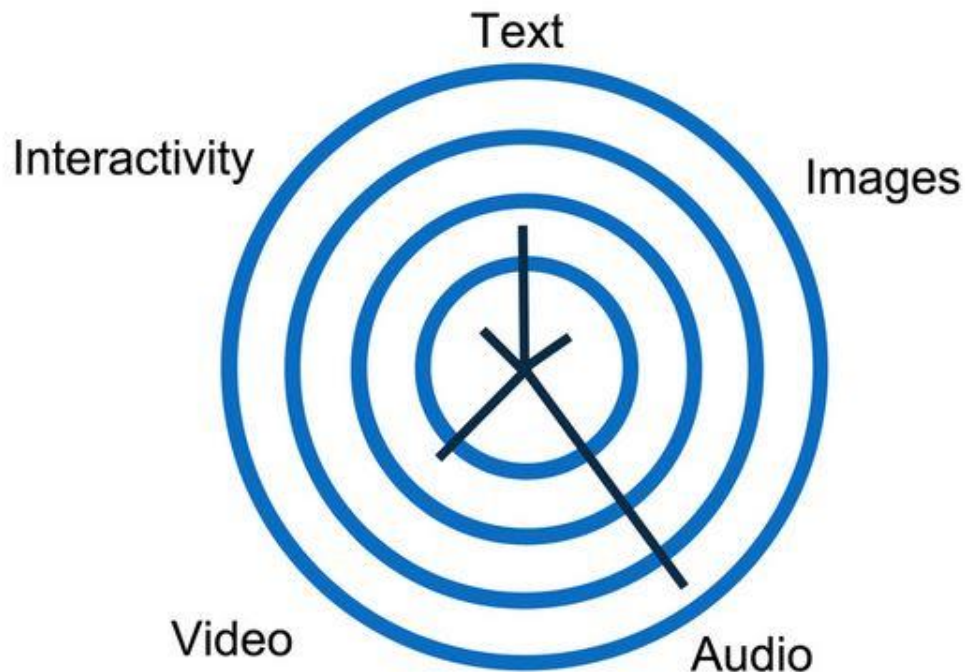
- Text is the main way we share information, both
 - on paper and
 - digital
- How easy is it for learners with different disabilities to access text?

Data

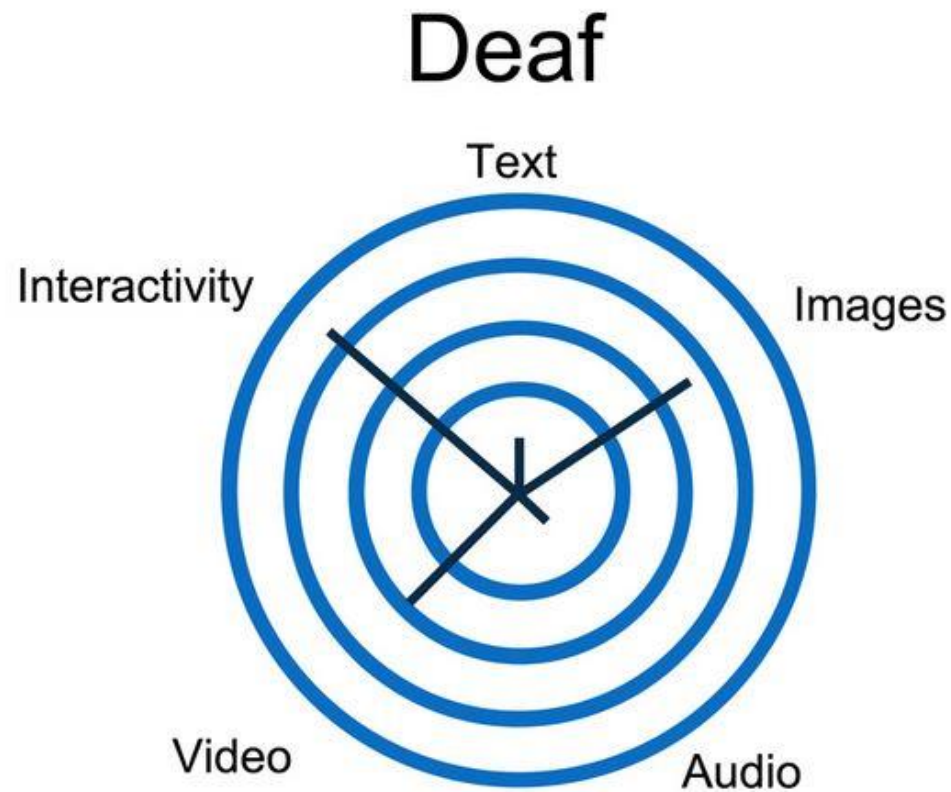
- Survey of HE and FE students in 2013
- It provides indicators only
- It is not statistically significant

Blind or VI

Blind / VI

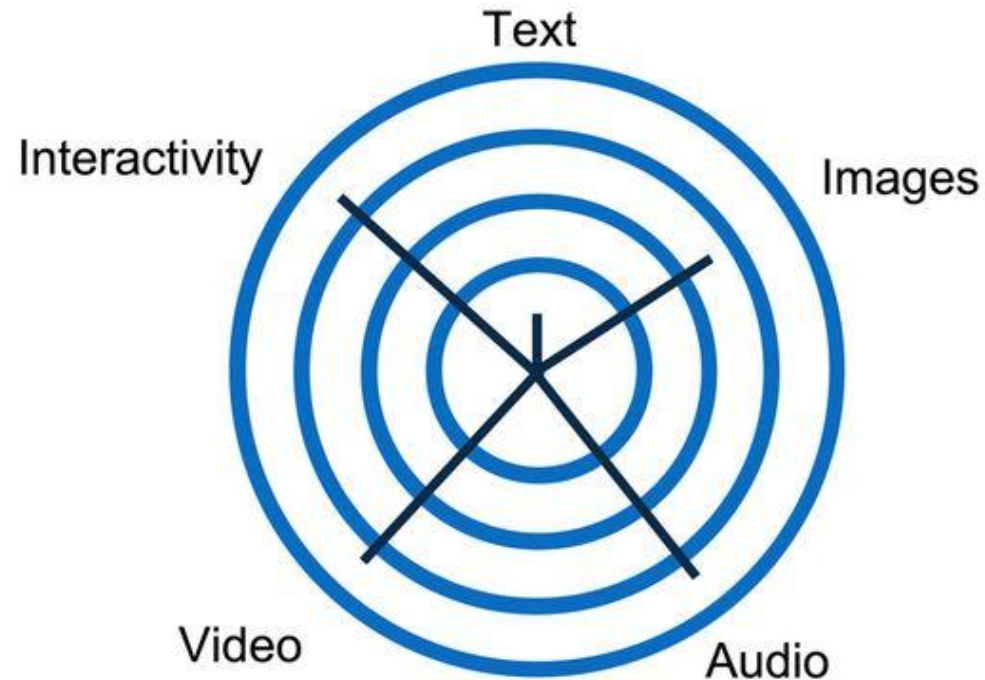


Deaf



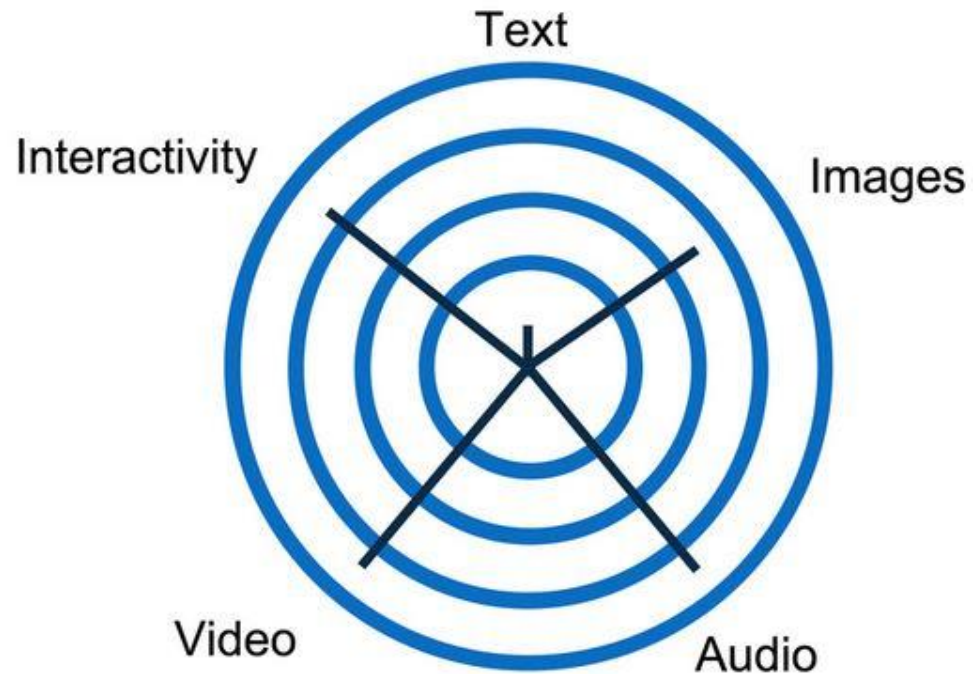
Dyslexia

Dyslexic



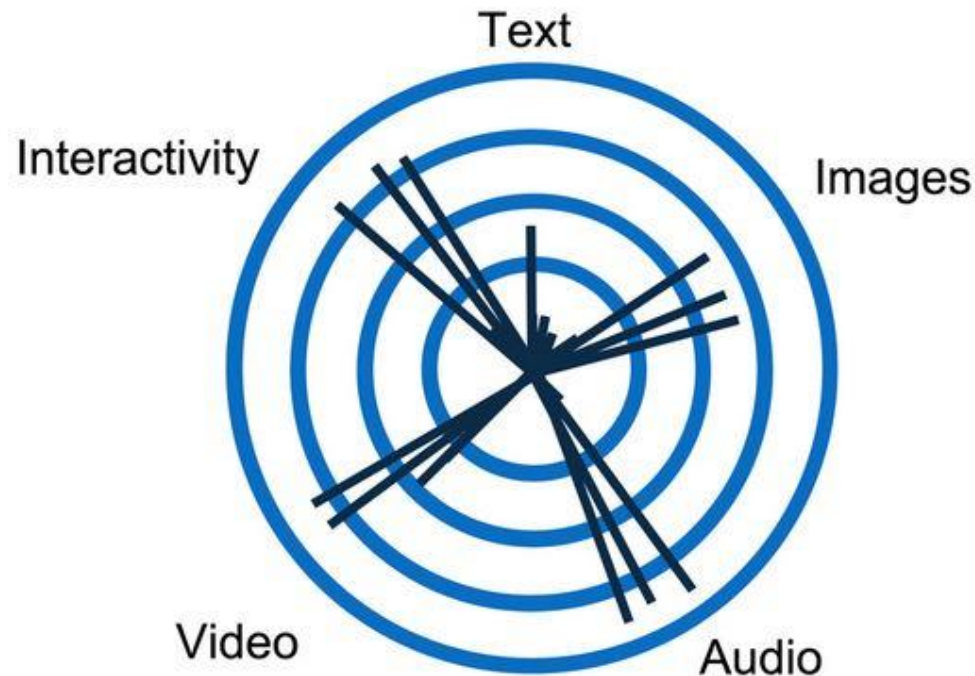
Learning Difficulties

Learning Difficulties



All Together

All Together



Giving Information

- How Text heavy is your curriculum?
- If your students cannot read well – how do they remind themselves of what to do?
 - Audio
 - Images
 - Video
 - Combination of the above
- How do they evidence their achievement?

Accessible Documents

- Accessible documents have an interactive contents list
- Provide easy to move sections
- Allow quick and easy browsing of headings
- Are essential for screen reader users

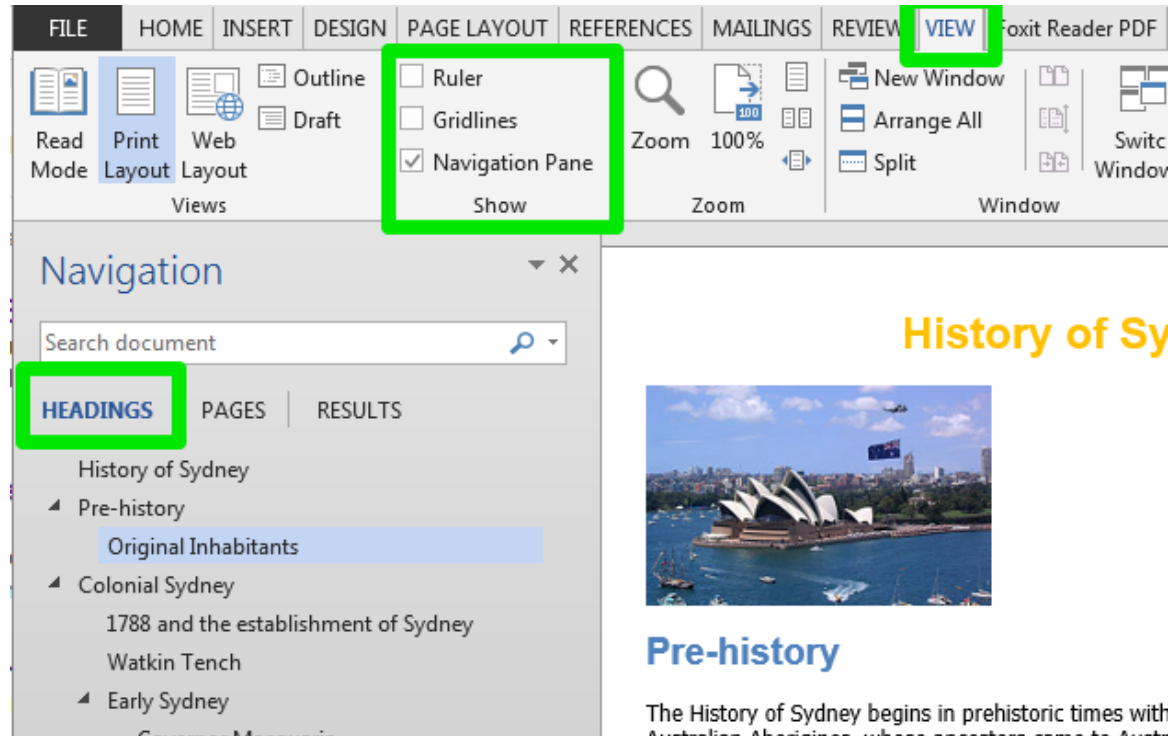
Using Headings

On the Home Ribbon there is a Styles Group



Viewing Navigation

- Click on the View ribbon and in the Show section select the option – Navigation pane.
- In Office 365 this appears automatically if you select a heading or style from the Style group.



Interactive menu

- If you create your document using Styles you provide your reader with:
- An interactive menu
- An opportunity for a screen reader user (and all other readers) to browse the contents
- A way of quickly re-ordering your document

The screenshot shows the Microsoft Word interface with the **Navigation** pane open on the left. The pane has a search bar and three tabs: **HEADINGS**, **PAGES**, and **RESULTS**. Under the **HEADINGS** tab, a hierarchical list of document sections is displayed. Red arrows point from specific sections in this list to descriptive text on the right side of the image.

Navigation

Search document

HEADINGS | PAGES | RESULTS

- Accessible Assessment
 - Personalised Learning and Assessment
 - e-Assessment
 - Benefits
 - Policy and Procedures
 - Embedding accessible e-assessment
 - Accessible Assessment in Practice
 - Generic good practice
 - Feedback
 - Question Design and Disability

Accessible Assessment

Personalised Learning and Assessment
Involving students in both their learning and their assessment them to influence their progress and to use their own preferred curriculum.

By encouraging them to contribute to the choice and design of them they are able to contribute fully no matter what their access needs.

Self assessment and peer assessment are powerful motivational with most assessment techniques.

e-Assessment

E-assessment has the advantage of enabling learners test the received instant objective feedback. It also has a range of access

Quick video

History of Sydney - with headings - Word Lisa Featherstone


File Home Insert Design Layout References Mailings Review View Developer Tell me what you want to do Share

Paste Font Paragraph Styles Editing

Arial 16 A⁺ A⁻ Aa AaBbCcI AaB AaBbCcI AaBk Find Replace Select

¶ Normal ¶ Title ¶ No Spac... Heading 1

History of Sydney



Pre-history

The History of Sydney begins in prehistoric times with the occupation of the district by Australian Aborigines, whose ancestors came to Australia between 60,000 and 80,000 years ago. The modern history of the city began with the arrival of a First Fleet of British

Who benefits

- Screen reader users don't have to listen to the whole of the text to find what they want
- Anyone can use the simple document summary to browse the content
- This is especially helpful for students with learning difficulties so they don't have to read or search through large blocks of text

Hot & Cold taps

- Hot on the left and Cold on the right
- Done to ensure that blind people know which is which.
- This only works because everyone does it
- It's the same with accessible documents – make it part of your professional practice

Content

- Interactive content can be helpful for enabling learners to engage and create their own resources.
- Doesn't have to be text based
- Can provide them with prompts or sequences to support working practice in practical situations.

EdPuzzle

- Edpuzzle is a free to use website that allows you to amend and add to YouTube videos.
- <http://tinyurl.com/edpuzz>
- How could you use this for your students?
- Add your ideas to the Padlet.

Explain Everything



- Explain everything is free and was originally designed as a way of providing interactive content for a white board.
- It provides a brilliant platform for student created evidence

QR Codes

- This links to a Xerte Object that is designed as a social story™
- QR codes are easy to create and can be used for many different purposes



Augmented Reality



Scrape the potato peeler down the potato. Make sure your fingers are away from the peeler. Do this until all the skin has gone from the potato.

Signly

An example of
AR to provide
signed content
for BSL users



There are many different types of level crossings and protection measures in place across Britain's rail network. Do please plan ahead, be prepared and pay extra care and attention on and around level crossings.

For more information about using them safely and to understand the different warning signs and signals, download our free level crossings user guide.

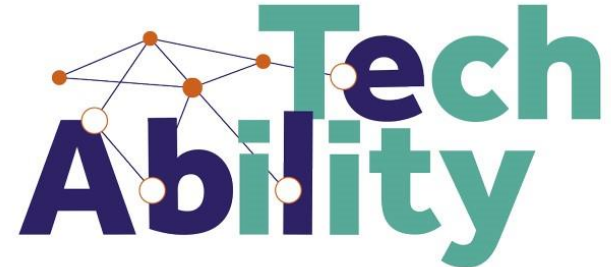
It's available in accessible and BSL formats at networkrail.co.uk/levelcrossings



For BSL and audio content, download 'Signly Network Rail' for free from the Apple App Store or Google Play and point your device at this leaflet.



Thank you



- Web: <http://www.techability.org.uk/devsite/>
- Email: techability@natspec.org.uk
- Twitter: @tech_ability1 #ATmeet
- Social network:
<https://www.yammer.com/techability>
- Lisa.Featherstone@outlook.com @Notlob