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Creating Accessible Learning Materials

Delivered by: Caroline Briggs
Creating Accessible Learning Materials

- To make informed decisions when designing materials which are accessible to a wide range of learners
- To gain insight of some of the barriers faced by students with learning differences and disabilities
- To be aware of the implications of the Digital Accessibility Regulations
Equality of Opportunity to enables you to achieve your full potential

Reasonable Adjustments
How is accessibility measured?

This means that they must be accessible in terms of being

- **Perceivable** (sight, hearing, mixture of senses)
- **Operable** (using different interfaces e.g. tab keys, mouse, keyboard)
- **Understandable** (simple language, clear, accessible font)
- **Robust** (interoperable with other assistive technologies)
Digital Regulations: Key Dates

• All new websites and content created from 23 September 2018 need to comply with accessibility requirements by 23 September 2019.

• Websites and content created before 23 September 2018 will need to be compliant by September 2020.
Making the right choices: Font

Inaccessible Font 1,2,3: Serif font ✗

Accessible Font 1,2,3: Sans Serif ✓
<table>
<thead>
<tr>
<th>Alignment Type</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Left Align</td>
<td><img src="image" alt="Left Align Example" /></td>
</tr>
<tr>
<td>Centre</td>
<td><img src="image" alt="Centre Example" /></td>
</tr>
<tr>
<td>Right</td>
<td><img src="image" alt="Right Example" /></td>
</tr>
<tr>
<td>Justify</td>
<td><img src="image" alt="Justify Example" /></td>
</tr>
</tbody>
</table>
Making the right decisions: Emphasizing Text

- Emphasizing text ✔
- Emphasizing text ❌
- Emphasizing text ❌
- Emphasizing text ❌
- Emphasizing text ❌

Irlen Syndrome is a visual perceptual difficulty that can affect individuals of all ages. Symptoms can include: word movement or distortion, headaches, migraines, fatigue, and poor depth perception. Visual stress can also exacerbate reading and writing difficulties.
Cataract Vision Examples

https://i.ytimg.com/vi/gV0BnjfGLDw/maxresdefault.jpg
Colours viewed by sight impaired people

Normal

Protanopia

Total Color Blindness
Irlen Syndrome is a visual perceptual difficulty that can affect individuals of all ages. Symptoms can include: word movement or distortion, headaches, migraines, fatigue, and poor depth perception. Visual stress can also exacerbate reading and writing difficulties.

https://www.pinterest.co.uk/pin/34269647137721204/?autologin=true
Accessibility Checker

Inspect Document
- Check the presentation for hidden properties or personal information.
- Check Accessibility
  - Check the presentation for content that people with disabilities might find difficult to read.
- Check Compatibility
  - Check for features not supported by earlier versions of PowerPoint.

Info
TeachingFest2019
OneDrive - University of Cumbria - Training
Accessible images, tables and charts

• All objects will need to have alternate text adding. The term Alt txt is the written description of the image, table or chart for screen readers.

• If the chart or table is an image you will need to explain all the data included.

• Colour coding is to be avoided and the use of texture is advised.

• Use number digits where possible rather than written numbers.

• Do not use Wrap text Behind or In front of text.

• Table titles must be identified and repeated if the table is on the next page.