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# Creating Accessible Learning Materials



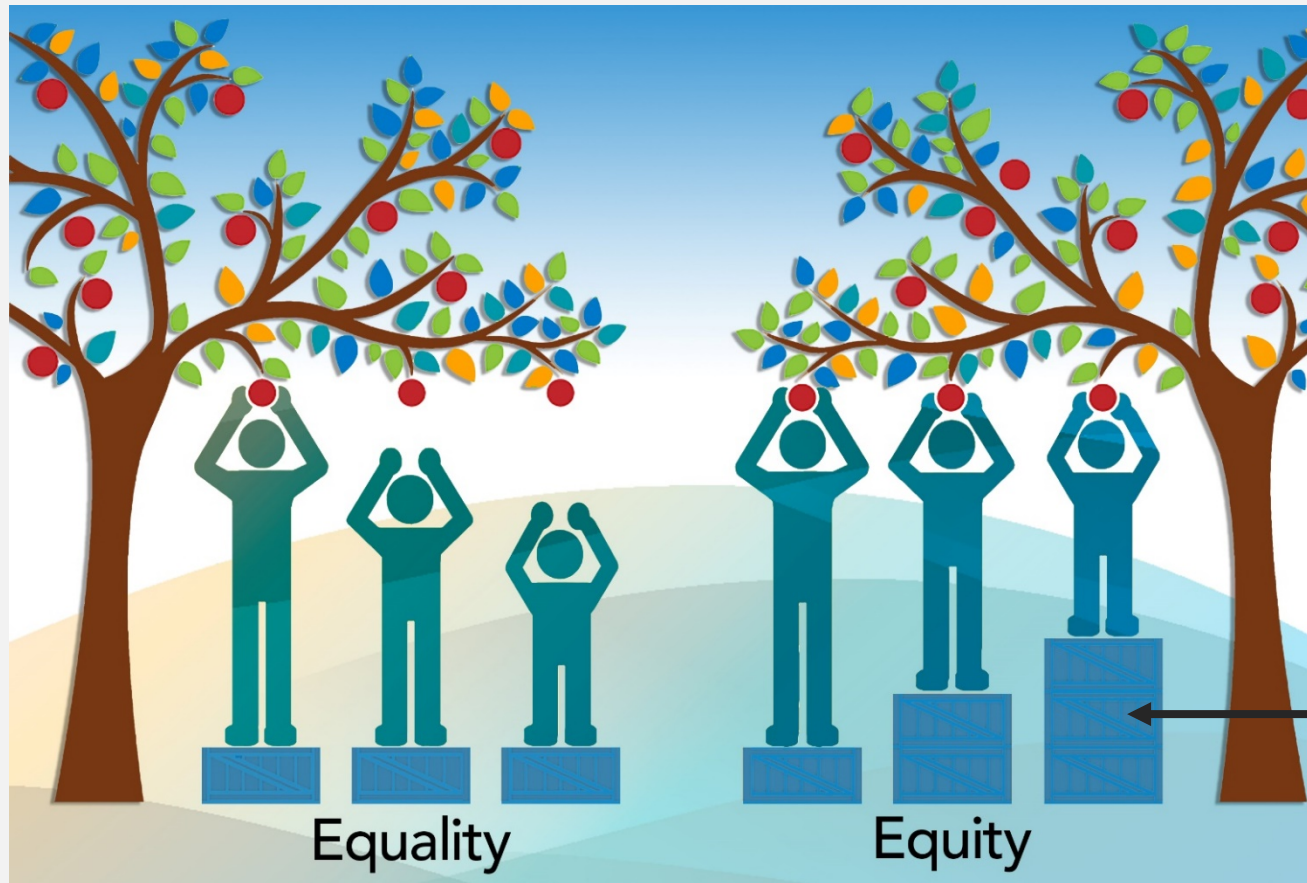
Delivered by: Caroline Briggs

# 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

**Bb**

Inaccessible Font 1,2,3: Serif font 

**Bb**  
Bb  
Bb  
*Bb*

Accessible Font 1,2,3: Sans Serif 

# Making the right choices: Alignment

Left Align 

Centre 

Right 

Justify 





# Making the right decisions: Emphasizing Text

- **Emphasizing text**



- Emphasizing text



- *Emphasizing text*



- Emphasizing text

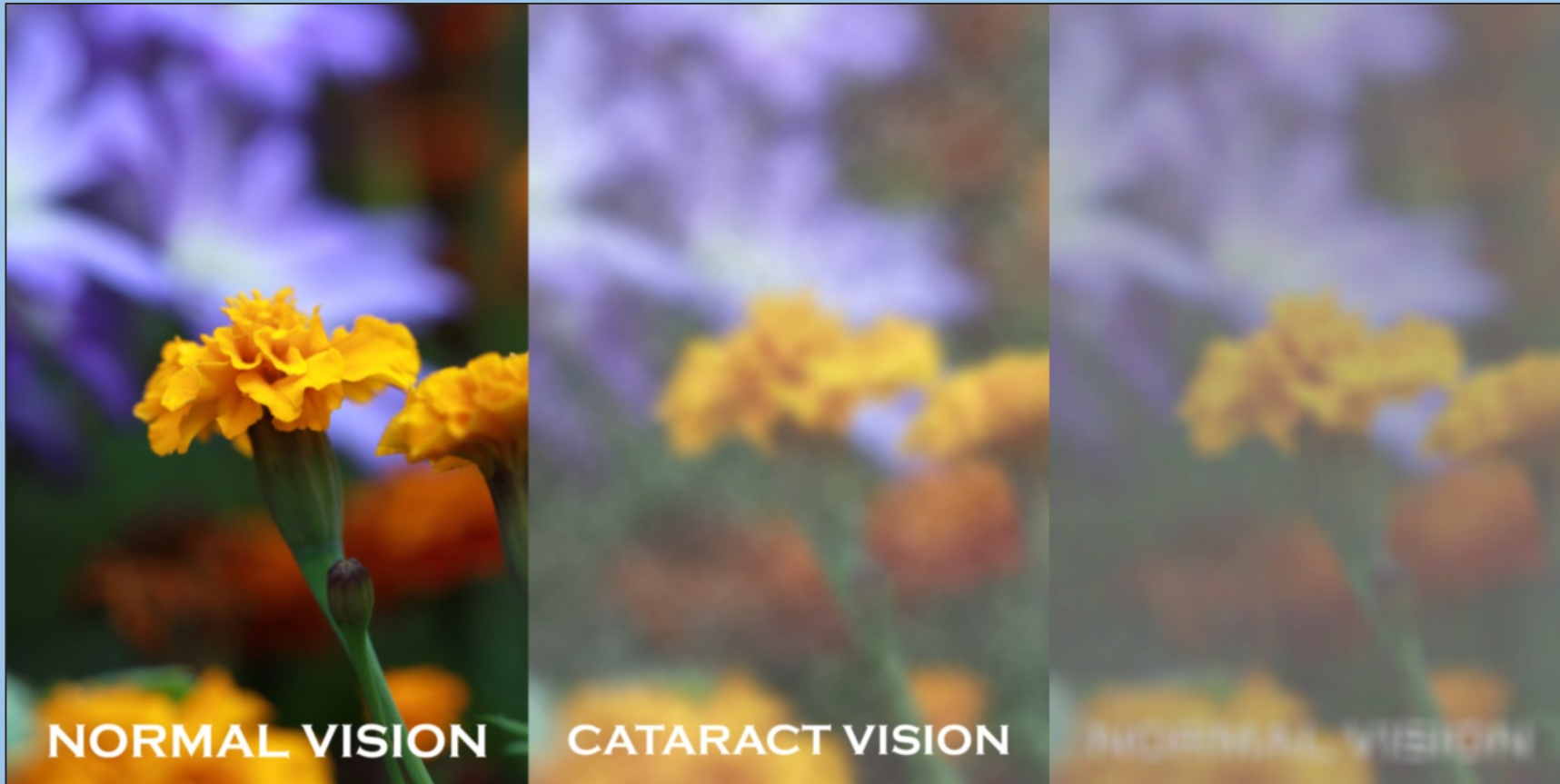


- **Emphasizing text**



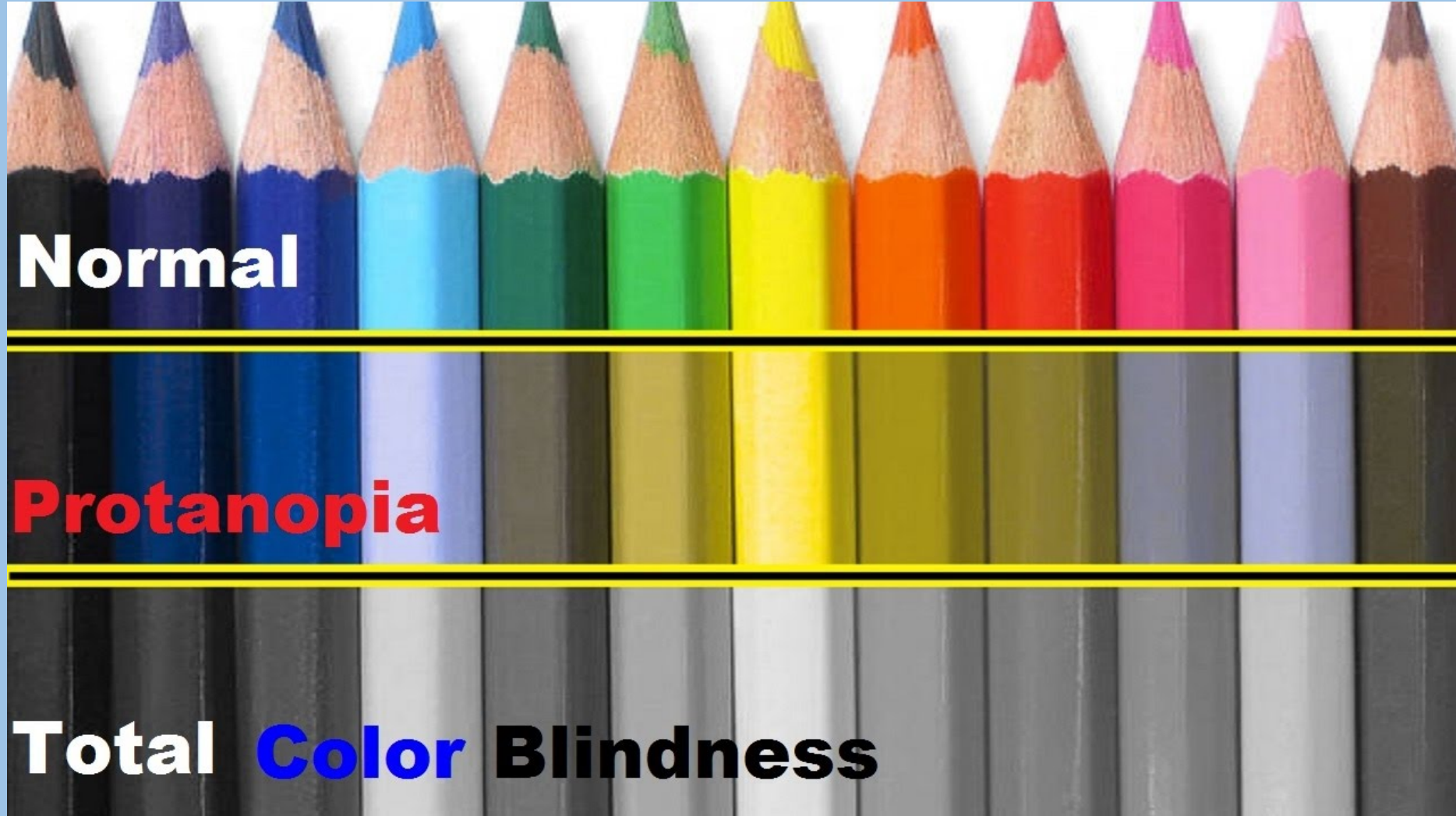
Irlen Syndrome is a visual perceptual difficulty that can affect individuals of all ages. Symptoms can include: word movement or distortion, headaches, migraines, fatigue, and poor depth perception. Visual stress can also exacerbate reading and writing difficulties.

# Cataract Vision Examples



<https://i.ytimg.com/vi/gV0BnjfGLDw/maxresdefault.jpg>

# Colours viewed by sight impaired people





# Levels of Macular Degeneration



# Irlen's Syndrome Example

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.

# Accessibility Checker

The screenshot shows the 'Info' pane in Microsoft PowerPoint for a presentation titled 'TeachingFest2019'. The left sidebar contains navigation options: Info, New, Open, Save, Save As, Save as Adobe PDF, History, Print, Share, Export, Close, Account, and Options. The 'Info' pane is divided into sections: 'Protect Presentation' (with a lock icon), 'Inspect Presentation' (with a magnifying glass icon), and 'Manage Presentation' (with a folder icon). The 'Inspect Presentation' section is expanded, showing a list of checks: 'Inspect Document', 'Check Accessibility', and 'Check Compatibility'. A tooltip is displayed over the 'Check Accessibility' item, providing more details about the check. The 'Properties' section on the right shows details about the presentation, including size, slides, hidden slides, title, tags, and categories. The 'Related Documents' section at the bottom shows a link to 'Open File Location' and a button to 'Show All Properties'.

**Info**

TeachingFest2019

OneDrive - University of Cumbria » Training

**Protect Presentation**

Control what types of changes people can make to this presentation.

**Inspect Presentation**

Before publishing this file, be aware that it contains:

- Document properties that might contain personal information.
- Presentation notes that might contain personal information.
- Content that people can't see or interact with.

**Manage Presentation**

Check in, check out, and manage versions of this presentation.

- Today, 14:29 (1.51 MB)
- Today, 14:00 (1.51 MB)
- Today, 13:46 (1.51 MB)
- Today, 13:36 (1.51 MB)
- Today, 11:53 (1.51 MB)

**Properties**

Size: 1.51MB  
Slides: 17  
Hidden slides: 0  
Title: PowerPoint Presentation  
Tags: Add a tag  
Categories: Add a category

**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.

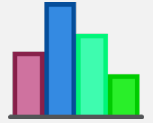
**Check Compatibility**  
Check for features not supported by earlier versions of PowerPoint.

**Related Documents**

Open File Location

Show All Properties

# 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.

