

Google & Chrome Accessibility

Built-in Features & Extensions

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Presenter

- RESNA Certified ATP
- M.S. in Rehabilitation Science and Technology
- Taught undergraduate and graduate level assistive technology courses at East Carolina University
- Developed an online graduate certificate program in AT for East Carolina University





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Key Learning Objectives

- ➤ Discuss Google doc accessibility features
- ➤ Learn about Google Chromebook accessibility
- ➤ Discuss assistive technology extensions for Chrome



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Google

- Web & Customer Initiatives
 - FCC Video Programming Accessibility Advisory Committee (VPAAC)
 - FCC Consumer Advisory Committee (CAC)
 - Web Content Accessibility Guidelines (WCAG)
 - Google Impact Challenge: Disabilities
 - User Experience
 - Accessibility Trusted Tester program





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Google

- Research & Education
 - Faculty Research Awards Program
 - Education Initiatives





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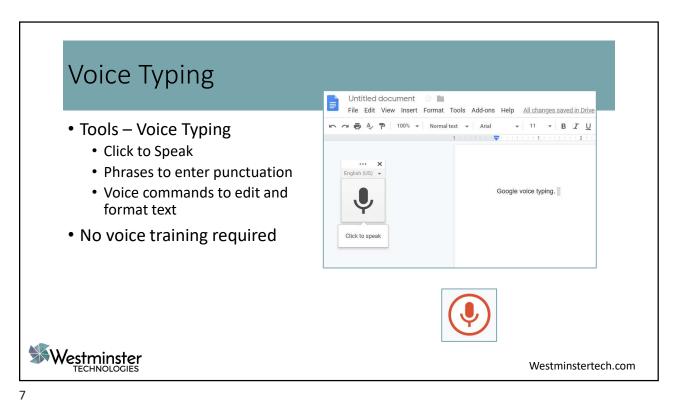
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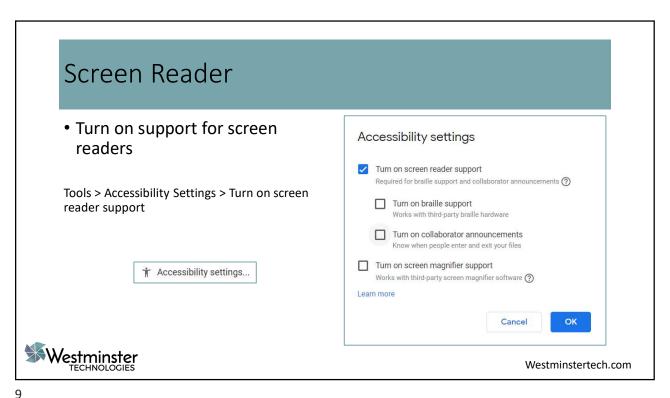
Built-in Google Accessibility



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Screen Magnifier • Google docs, slides, etc. work Accessibility settings with 3rd party magnifiers Turn on screen reader support • Turn on support: Required for braille support and collaborator announcements ② Tools – Accessibility Settings Turn on braille support • Turn on screen magnifier support Turn on collaborator announcements Available on Mac and Chrome OS Turn on screen magnifier support Works with third-party screen magnifier software ② Learn more * Accessibility settings... Cancel OK Westminster TECHNOLOGIES Westminstertech.com

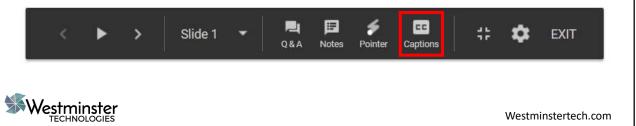


Braille • Turn on the braille display to Accessibility settings read and edit: Documents Turn on screen reader support Required for braille support and collaborator announcements <a>? Spreadsheets ✓ Turn on braille support Presentations Works with third-party braille hardware Drawings ☐ Turn on collaborator announcements ■ Turn on screen magnifier support Tools > Accessibility Settings > Turn on screen Works with third-party screen magnifier software ② reader support > Turn on braille support Learn more Cancel Westminster TECHNOLOGIES Westminstertech.com

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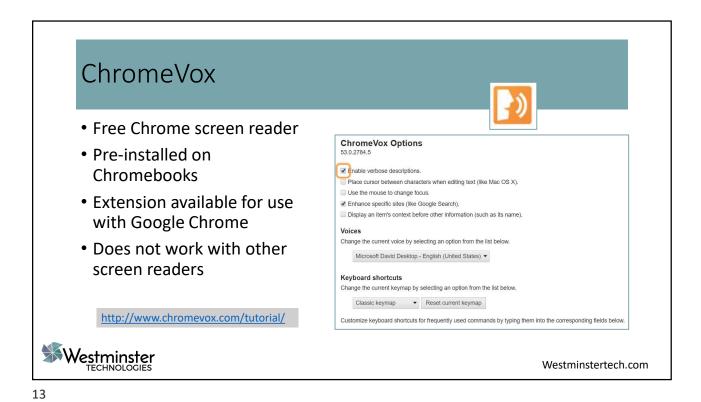
Slides with Captions

- Set up live captioning for Google Slides
 - Start the presentation
 - Click on 'Captions' (CC)
- Captions are not stored
- Captioning does not include punctuation



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• Zoom

• Ctrl +

• Ctrl
• Ctrl 0

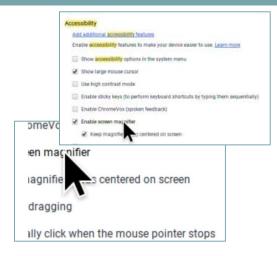
• Browser content and mouse cursor zoom in/out

• Tabs/icons on shelf remain the same size

| Cool | Co

Screen Magnifier - Chromebook

- Built-in magnifier
 - Alt Shift S
 - OR Status Tray Menu
 - Lower-right corner
 - Settings 💠
 - Navigate to Accessibility Enable screen magnifier
- Entire screen becomes magnified



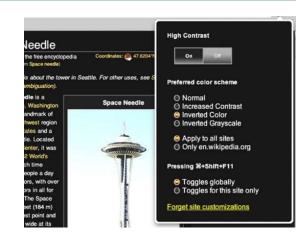
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High Contrast

- High Contrast Options:
 - Normal
 - Increased Contrast
 - Inverted Color
 - Inverted Grayscale
- Shortcut: Ctrl Shift F11





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Keyboard Shortcuts

- Google Chrome Shortcut Keys
 - Keyboard access to commonly used features
 - · Increases accessibility
 - Eliminates mouse usage
 - Or pointing devices

Shortcut Keys	Description
Alt+Home	Open your homepage.
Alt+Tab	Toggle between browser windows.
Alt+Left Arrow	Back a page.
Alt+Right Arrow	Forward a page.
F11	Display the current website in full-screen mode. Pressing F11 again will exit this mode.
Esc	Stop page or download from loading.
Ctrl+(- or +)	Zoom in or out of a page, "-" will zoom out and "+" will zoom in.
Ctrl+1-8	Pressing Ctrl and any number 1 through 8 will move to the corresponding tab in your tab bar.
Ctrl+9	Switch to last tab.
Ctrl+0	Reset browser zoom to default.



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Accessibility Extensions



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Accessibility Extensions

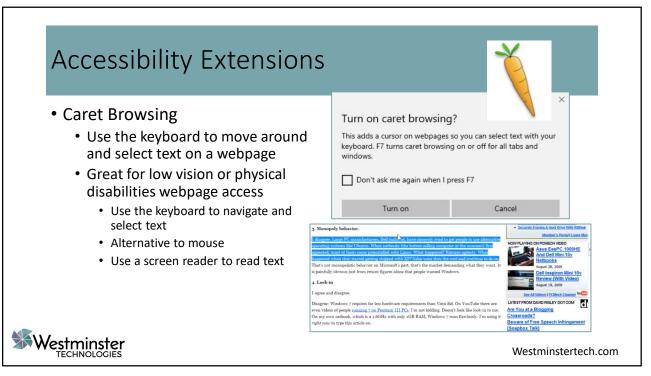
• Settings - Advanced - Accessibility - Add Accessibility Features





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Accessibility Extensions

- Long Descriptions in Context Menu
 - Puts items in the context menu
 - Extension will indicate with a colored border to images, if selected
 - Right-click on anything with a "longdesc" or "aria-describdat" attribute





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Other Extensions

- Reading
- Writing
- Spelling
- Annotation Tools
- Graphic Organizers
- Screen Readers & Magnifiers
- Math Supports





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Resources

https://www.google.com/accessibility/

https://support.google.com/docs/answer/6282736?co=GENIE.Platform%3D Desktop&hl=en

https://www.google.com/accessibility/products-features/

http://www.chromevox.com/tutorial/ ; https://www.chromevox.com/

https://support.google.com/chrome/answer/157179?hl=en

https://www.google.com/accessibility/initiatives-research/



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Questions



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Any Questions after Webinar

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