

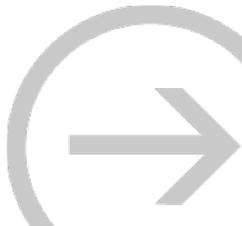
Accessibility in Education

WORKSHOP



Top 3 learning objectives

- 1. Every classroom has a student who can benefit from accessibility**
- 2. Accessibility features in Windows and how to use**
 - Personalization
 - Ease of Access Center
- 3. Where to find accessibility info for teachers**
 - www.microsoft.com/education/enable/



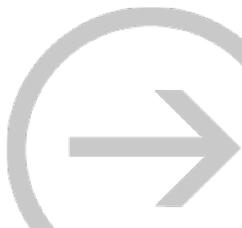


Every classroom has a student who can benefit from using accessibility

Every classroom has a student who:

- Has a hard time seeing the board and can benefit from making the PC easier to see.
- Finds concentrating difficult and can benefit from making the PC less cluttered.
- Experiences difficulty hearing the teacher speak and can benefit from making the PC easier to hear.

Accessibility empowers all students with accessible technology that enables personalized learning.





Impacts in the classroom



Personalized Learning and Accessibility

- Personalized learning shifts the focus from what is being taught to what is being learned—the student's needs and style become central to the learning process.
- Accessibility in the classroom enables students of all abilities, special needs, and disabilities, to have the same educational opportunities.

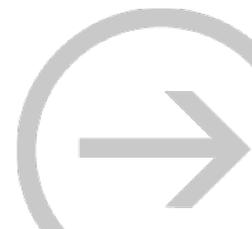
Personalize the PC for students to:

- Make it easier to see, hear, and use more comfortably
- Support learning style differences
- Assist special needs students
- Save teachers time and effort





What is accessibility?





As school leaders, increase awareness of accessibility solutions

All teachers

- Help every teacher understand the basics of accessibility and how to recognize students who need to personalize their PCs to make them easier to see, hear, or use.

Special education teachers

- Ensure each special education teacher has *Accessibility: A Guide for Educators* (www.microsoft.com/education/enable/) to help students with accessibility needs personalize their PCs to make them easier to see, hear, and use.
- Recommend Microsoft Accessibility Update newsletter to stay up to date on features: www.microsoft.com/enable/





Overview of Accessibility Features





Accessibility in Windows



Personalization

- [Display](#)
- [Change colors](#)
- [Sounds](#)
- [Mouse pointers](#)

Ease of Access Center

- [Get recommendations](#)
- [Narrator](#)
- [Magnifier](#)
- [Zoom in Internet Explorer](#)
- [On-Screen Keyboard](#)
- [Speech Recognition](#)
- [Windows Touch](#)



Personalization

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Control Panel: Ease of Access Center

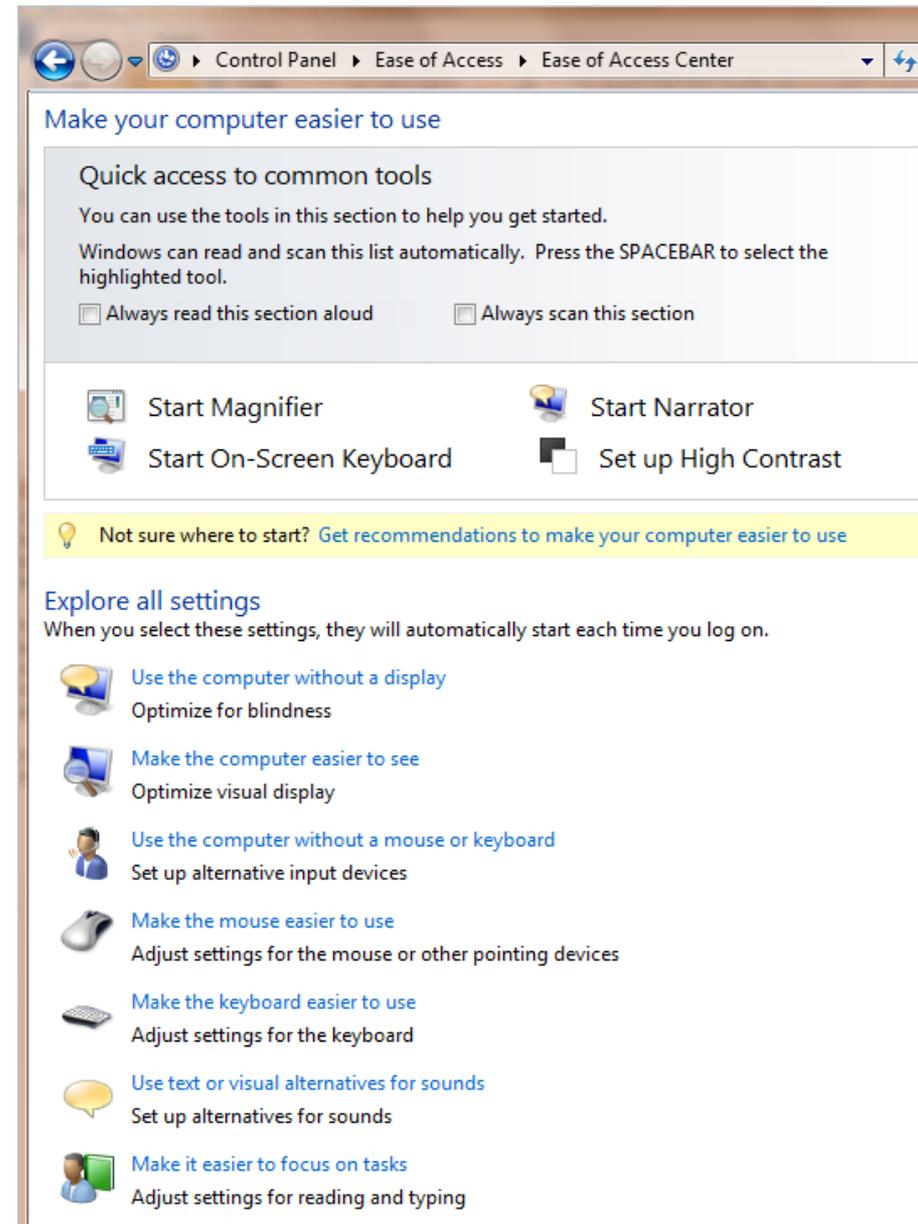
**Centralized location to find
accessibility options**

Quick start

- Magnifier
- On-Screen Keyboard
- Narrator
- High Contrast

**Questionnaire to
“get recommendations”**

Explore settings by categories

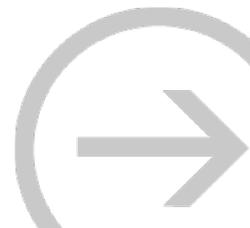
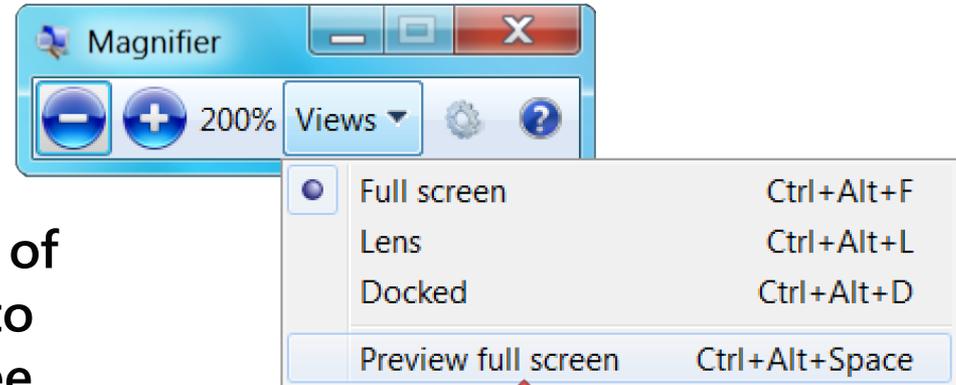




Magnifier in Windows 7

Magnifier enlarges portions of the screen making it easier to view text and images and see the whole screen more easily.

Magnifier in Windows 7 now includes full-screen mode, lens mode, and docked mode.





Try it out: On-Screen Keyboard

Try it out:

- Open Notepad then start On-Screen Keyboard and try typing the date



[Type using On-Screen Keyboard](#)

Find out more: demo





Speech Recognition

[Speech Recognition in Windows 7](#) allows you to command your PC with your voice. Dictate documents and email and surf the Web by saying what you see.



The screenshot shows the Windows 7 Control Panel interface. At the top, there is a navigation bar with a microphone icon and the text 'Listening'. Below this, the 'Ease of Access Center' is displayed. On the left, there is a sidebar with links: 'Control Panel Home', 'Advanced speech options', and 'Text to Speech'. The main content area is titled 'Configure your Speech Recognition experience' and contains five items:

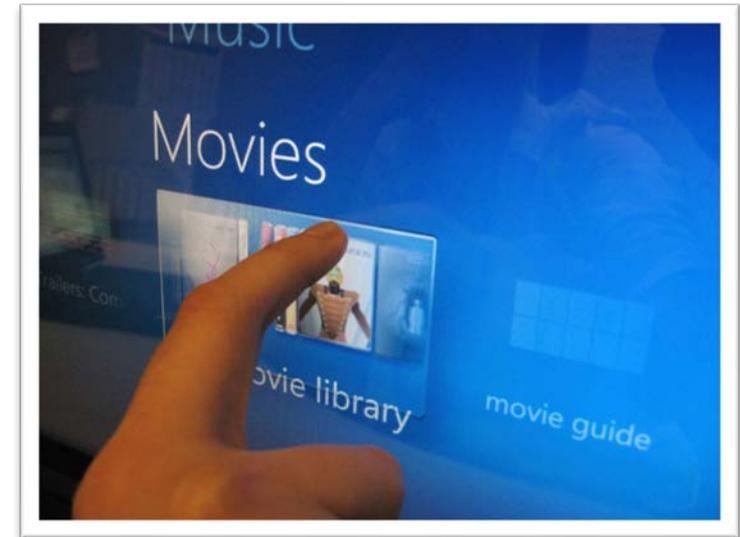
- Start Speech Recognition**: Start using your voice to control your computer.
- Set up microphone**: Set up your computer to work properly with Speech Recognition.
- Take Speech Tutorial**: Learn to use your computer with speech. Learn basic commands and dictation.
- Train your computer to better understand you**: Read text to your computer to improve your computer's ability to understand your voice. Doing this isn't necessary, but can help improve dictation accuracy.
- Open the Speech Reference Card**: View and print a list of common commands to keep with you so you always know what to say.



Windows Touch

Windows Touch works with touchscreens to enable students to tap the screen, scroll with a finger, and even finger-paint.

Students can interact with the computer in a direct and simple way, using their fingers, instead of struggling with the mouse or a mouse alternative.



Note: Touch capability is dependent on PC hardware capability

Windows Touch

Find out more: [demo](#)





Accessibility in Internet Explorer

Accessibility features in Internet Explorer

- Zoom in on a webpage
- Select text and move around a webpage with a keyboard
- Change the font size, formatting, and screen colors
- Use the keyboard to surf the Web
- Keyboard shortcuts

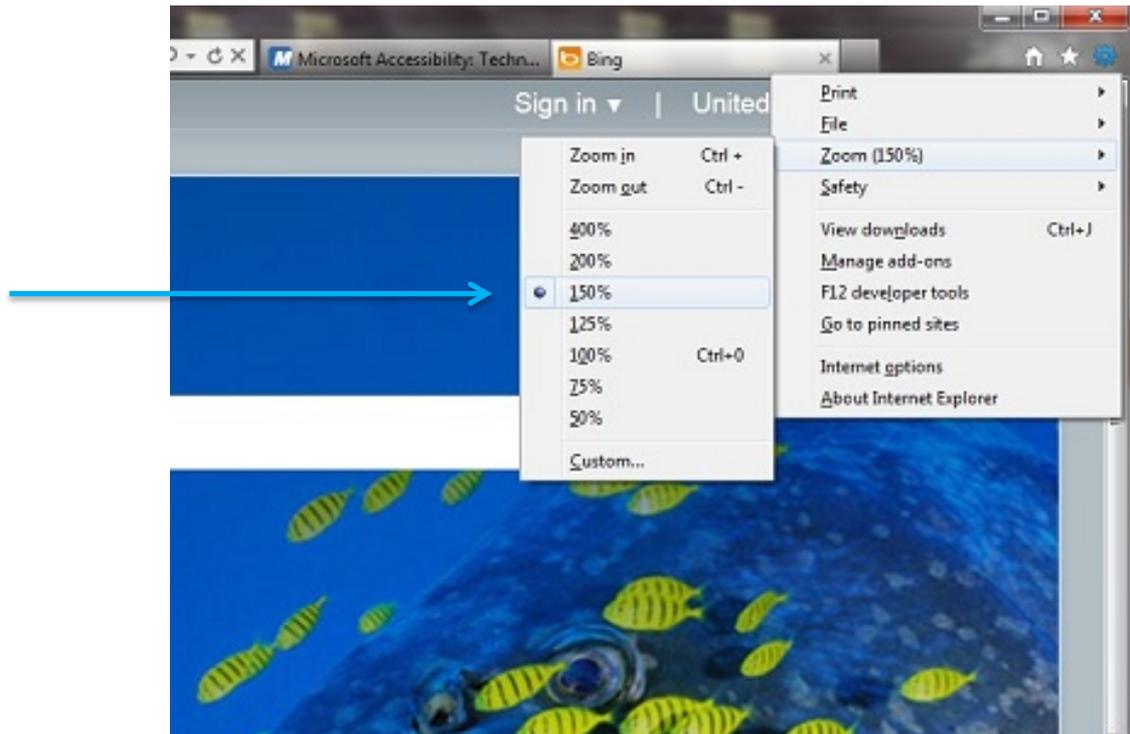




Internet Explorer: Zoom

Zoom in on a webpage

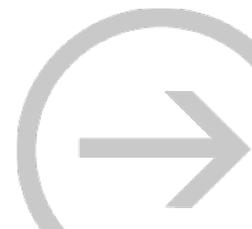
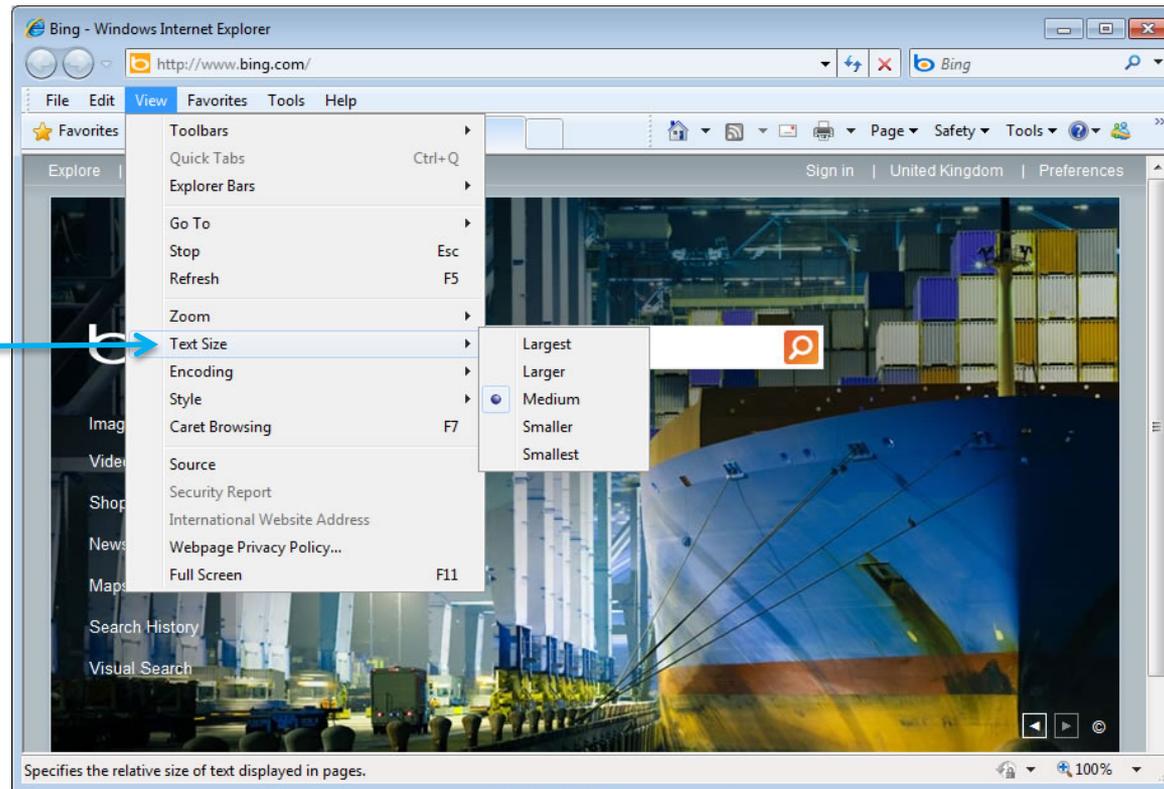
- To enlarge the view of a webpage. Unlike changing font size, zoom enlarges or reduces everything on the page, including text and images.





Internet Explorer: Change text size

Make webpages easier to read by [changing text size on webpages.](#)





Try it Out: Internet Explorer

Try it out:

- Open Internet Explorer
- Go to www.bing.com
- Try zooming in on a webpage
- Try to change webpage text size

[Zoom in on a webpage](#)
[Change webpage text size](#)

Find out more: tutorials





Accessibility in Office

Accessibility features in Office 2010

- [Accessibility Checker](#)
- Add captions, subtitles, and audio in slides with [Sub-Titling Add-in for Microsoft PowerPoint \(STAMP\)](#)
- [Use the Save as DAISY add-in for Word to convert files to an accessible format](#)
- [Create accessible web portals](#)
- [Use the Speak text-to-speech feature](#)
- [Customize the ribbon](#)
- [Use the keyboard to work with ribbon programs](#)
- [Create accessible PDFs](#)
- [Use Full Screen Reading view](#)

