



Inclusive New Media Design

including people with intellectual disabilities in the WWW

Key Barriers	Quick Checks	Example Sites
<p>Use of text as content: Users may recognise a few familiar words <i>(Reading comprehension age < 6 years)</i></p> <p>Use of conventional language: Use of abstract language Use of complex vocabulary More than two information carrying words</p> <p>Information processing: Page verbosity Mono-modal presentation Fast paced multimedia Requirements for information recall Long session requirements</p> <p>Navigation and orientation: Use of multi-level navigation Complex structural metaphors Text based navigation, filtering and sorts Hidden or contextual menu options</p> <p>Access to technology: Poor access to recent IT Poor access to AT & personalised browser</p> <p>Self-help and problem solving: Requirements to install plug-ins Requirements to change settings</p>	<ul style="list-style-type: none"> ✓ Content does not rely on text ✓ AAC symbols are used on keywords only ✓ AAC symbolised phrases do not extend beyond a single line ✓ Text has equivalent audio or multimedia <i>(eg signed speech)</i> ✓ Language could not be simpler ✓ Pages or sections consider a single concept or keyword only ✓ All complex language/vocabulary is required content ✓ Key concepts are presented and clarified repeatedly ✓ Keywords are not referred to as pronouns <i>(eg her, it, she, him)</i> ✓ Content could not be more concise ✓ Core content is available as images, audio and/or other multimedia ✓ Purely decorative elements are minimal and removable ✓ Margins are used very generously <i>eg >50% of page is whitespace</i> ✓ Multimedia pace is slow by default - and further adjustable ✓ Text-input (including a text based log-in) is not required ✓ A simple linear progression is the default route through information ✓ Site navigation includes large images <i>(eg 40px square @ 800px view)</i> ✓ A simpler site structure would not be possible ✓ Option for non-interactive navigation are available ✓ Pages have fewest possible number of links <i>(eg <5)</i> ✓ Text is very large <i>(eg >24px @ 800px view)</i> by default ✓ Prominent controls allow text sizing and colour contrast adjustment ✓ A sans-serif or clear cursive font is used ✓ Required plug-ins or add-ons are automatically installed ✓ Content should not require changes to browser settings 	<p>http://www.bbc.co.uk/cbbc/newsreader/ A news site providing TTS, direct switch access and a much simplified structure and interface. The text targets younger readers, even then reading level is more appropriate to that of folk with mild to moderate intellectual disabilities.</p> <p>http://www.easyhealth.org.uk Much text content here is too verbose for the severely intellectually disabled audience, but the use of media and clear photographs provides alternate non-text content and routes.</p> <p>http://www.peepo.com/ Long-established site for people with intellectual disabilities intended as a portal or start page for browsing activity.</p> <p>http://www.ookjij.nl/ Dutch site for people with mild to severe intellectual disabilities - uses Flash to deliver content through rich media with minimal text.</p> <p>http://www.northerngrid.org/ngflwebsite/sen/NetSwitch/index.htm SENSwitcher is a suite of interactions for switch users. Its a developmental framework which runs from non-interactive scenes through to the beginnings of more complex concepts such as row-scanning</p>

