| **High School Computer Science**  **AIM:** Use Inclusive Design Principles to adapt new features to existing technologies/products  **Objective:**  Understand and learn Inclusive Design Principles  Learn the difference between assistive vs. accessible technology  Understand how design choices have societal impact  **Standards:**  9-12.IC.1(Evaluate the impact of computing technologies on equity, access, and influence in a global society.)  9-12.IC.3(Debate issues of ethics related to real world computing technologies.)  9-12.IC.6(Create accessible computational artifacts that meet standard compliance requirements or otherwise meet the needs of users with disabilities.) |
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| **Vocabulary:**   * equitable, equal, assistive technology, accessible technology, disability |
| **Resources:**   * [Google Slides](https://docs.google.com/presentation/d/1LqBg8LcPJXHSX6RMJoPUt-mlXQz2-_Ke/edit?usp=sharing&ouid=114992201896989866082&rtpof=true&sd=true) * Technologies to Print and Hand Out for Workshop ([Link](https://docs.google.com/document/d/1V2JYBbXdG06hBa87SwgyLt84mvzQ7UeUwhcC_6njDHw/edit?usp=sharing)) |
| **Materials Needed:**   * Writing Utensils * Scrap Paper to plan |
| **Classroom Setup:**   * Have desks/seats arranged so students can sit in groups. Try to organize so most students can see presentation/front of room without having to turn too much. * Put one technology piece of paper at the center of each group. |
| **Breakdown/Timeline**:   * Presentation   + Review Inclusive Design   + Review Vocabulary   + Review Impact/Importance of Inclusive Design   + Examples:     - Flat Light Switch     - Electronic Toothbrushes * Mirror using inclusive design principles in use to create a feature for a mobile video app to be more inclusive (closed-captioning) * Instruct students to turn over paper on their desks revealing which technology they are working on improving to make more inclusive * Start Going through workshop slides and prompt students with guiding questions(give each slide 2-3 minutes) * Breakout and share - Have each group share   + Was this hard?   + What feature did you come up with? Did you have to remake the whole thing?   + What groups does your product better serve after making adaptations? |