

# Universal Design for Learning

## Representation

Reduce barriers and leverage students' individual strengths by inviting students to engage with the same content in different ways. Supports that provide multiple means of representation include suggestions for offering alternatives to the ways information is presented or displayed, developing students' understanding and use of mathematical language and symbols, and describing organizational methods and approaches designed to help students internalize learning.

<b>Provide Access for Perception</b>	<ul style="list-style-type: none"> <li>Present content, using multiple modalities: act it out, think aloud, use gestures, use a picture, show a video, demonstrate with objects or manipulatives.</li> <li>Annotate displays, with specific language, different colors, shading, arrows, labels, notes, diagrams, or drawings.</li> <li>Provide appropriate reading accommodations.</li> </ul>
<b>Develop Language and Symbols</b>	<ul style="list-style-type: none"> <li>Support use of vocabulary, mathematical notation, and symbols with charts, pictures, diagrams, and tables.</li> <li>Highlight connections between representations to make patterns and properties explicit.</li> <li>Present problems or contexts in multiple ways with diagrams, drawings, pictures, media, tables, graphs, or other mathematical representations.</li> <li>Use translations, descriptions, movements, and images to support unfamiliar words or phrases.</li> </ul>
<b>Internalize Comprehension</b>	<ul style="list-style-type: none"> <li>Activate or supply background knowledge to build connections to prior understandings and experiences.</li> <li>Provide access to blank or partially completed outlines, graphic organizers, or representations to emphasize key ideas and relationships. Maximize transfer and generalization by naming connections to previous examples and inviting students to identify important details or features to remember.</li> </ul>

IL IM K-5 → IM K-5 Curriculum Guide → How do the materials support all learners → Access for students with disabilities → Representation

IL IM 6-8 and AGA → IM 6-8 or AGA Curriculum Guide → How do the materials support all learners → How the curriculum supports students with disabilities → Supports for Students with Disabilities → Representation