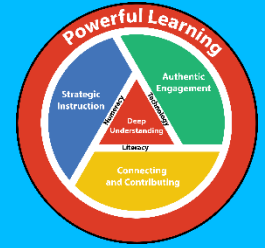




# Instructional Tools: Nonlinguistic Representation



## WHAT IS IT?

Non-linguistic representation is any tool that helps students merge knowledge with ways of understanding. It helps students represent understanding and elaborate on that knowledge using imagery, creating pictures, illustrations, pictographs, using physical models and engaging in kinesthetic activity.

### Four approaches:

1. Physical Models
2. Mental Imagery
3. Creating Pictures
4. Kinesthetic Activities

## WHY USE THIS STRATEGY?

- Taps into a student's natural tendency for **visual image processing**
- Helps students to construct meaning of relevant content and skills and have a **better capacity to recall** it later.
- Helps to synthesize and identify the major ideas, themes, and interrelationships of ideas. It helps students understand the relationship between lower and higher notions making it easier to learn
- Leads to **deep understanding**

## HOW TO USE IT:

- **Physical Models:** Students use hands-on manipulatives or materials to create concrete representations of knowledge and build understanding.
- **Mental Imagery:** Students are asked to create picture of the information to help them make sense of what they are learning to help store it in long term memory. Mental images can include more than an image, but also sensory details, physical sensations and feelings.
- **Creating Pictures:** Students draw or color pictures that represent knowledge. Using pictures helps students to represent their learning in personalized ways. Students can use drawings, symbols or technology. Concept maps/graphic organizers can be used to represent and organize information for recall and writing.
- **Kinesthetic Activities:** Students engage in physical movement associated with specific knowledge to generate understanding of content/skills. When students move they create more neural networks in the brain and learning is enhanced.

## RESOURCES & LINKS

### IMC:

- *Classroom Instruction that works: Research-based strategies for increasing student achievement.* Dean, C., Hubbell, E., Pitler, H., & Stone, B. TR2685

### Websites:

- <http://www.readwritethink.org/>
- <https://prezi.com/>
- <http://popplet.com/app/#/public>
- <https://www.gliffy.com/>
- <https://www.storyboardthat.com/>
- <https://edu.glogster.com/>
- <https://www.eddrawsoft.com/>
- <https://illuminations.nctm.org/>

### Videos:

- [Teaching with Non-Linguistic Representations](#)
- [Nonlinguistic Representation](#)
- [Teaching Vocabulary using Non-Linguistic Strategies](#)
- [McREL - Classroom Instruction That Works \(2nd Ed.\) Nonlinguistic Representations](#)

