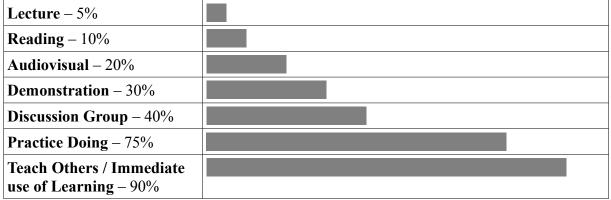


**Instructional Methods and Memory Retention** 

Average percentage of retention of material after 24 hours for each of the instructional methods.



## **Other Factors in Long Term Memory Formation**

- Memories are stored best when encountered in a **safe environment**. *Memories are stored with a data component and an emotional component. For the system to work best, the student should not be afraid. They should not be afraid of saying the wrong answer or of having their belief system ripped apart.*
- Memory works best if the data **makes sense**.
- Memory works best if the data has meaning and/or is relevant to the student.
- People have filters in how they receive data based on **learning styles** (visual, aural, verbal[reading/writing], kinesthetic) **and multiple intelligences** (Visual-Spatial, Bodily-kinesthetic, Musical, Interpersonal, Intrapersonal, Linguistic, Logic-Mathematical, Naturalist). If they don't experience the information they can't store it.
- There is another filter between short term and long term memory that is based on the student's **world view and experiences**. What gets stored may not be what the teacher thought they said. If new data doesn't fit into their "previous experience filter" it can get distorted to fit or will be forgotten because it doesn't make sense.

David A. Sousa, How the Brain Learns. Corwin Press, 2006.