

IND-1197A - Science of Memory/Memory Tools With Common Core in Mind

Course Syllabus

- **Instructor: Dr. Maryam Torbati**
- **Number of Credits/Units: 3 Semester Credits/Units**
- **Format: Online Self-Paced Course**
- **You will have 6 months from your date of registration to complete the course.**

Course Overview

- Are you often unable to remember an important fact or figure?
- Do your students struggle with retrieval?
- Do you forget people's names at the worst moments?
- Do your students forget simplest things during testing?
- Are you ever asked a question, and you should know the answer, but you struggle to form an intelligent reply?
- Do your students ask the same questions over & over again?
- How all of these relate to CCSS?

These are common instances where a good memory is important. Memory is more than recalling information for exams or trivia games. It is an important work skill that you can develop and improve. Whether it's remembering key statistics during a negotiation or quoting a precedent-setting action when making a decision or impressing clients with your knowledge of their product lines – your ability to remember is a major advantage.

People with good memories are often seen as knowledgeable, smart, competent, and dependable. And there are many techniques you can use to develop your own ability to remember information – and then recall it when and where you need it. First of all this course will empower you which, in turn will empower your students.

Course Objectives

By the end of the course, students will be able to:

1. Demonstrate a deep knowledge of memory and a practical foundation in learner-centered and performance-based approaches to effective learning.
2. Apply a variety of strategies to bring enhancing memory, improving memory, and power of retrieval of memory to every subject.
3. Discuss and identify how memory tools align to common core standards.
4. Develop, expand, or adapt effective and practical memory enhancing lessons.
5. Implement memory tools in reading, language arts, math, science, social studies, and many other subjects.
6. Explain effective memory techniques that you can use immediately.
7. Teach memory tools for deep learning & retrieval as it relates to obtaining and maintaining excellence.
8. Identify memory tools and how they work step by step.
9. Describe the memory process.
10. Identify major benefits of memory tools.
11. Discuss problems and challenges in teaching memory tools.
12. Describe how memory tools help ELD & Special Ed students.
13. Summarize the importance of memory tools in the classroom.
14. Formulate questions about aspects of memory tools.
15. Analyze how learners learn & how memory works.
16. Create appropriate materials to teach memory tools.
17. Align all of these to Common Core.

Recommended Optional Textbooks:

- *The Memory Book: The Classic Guide to Improving Your Memory at Work, at School, and at Play*_by Harry Lorayne and Jerry Lucas
ASIN: B006Q1SQCQ
- *Moonwalking with Einstein: The Art and Science of Remembering Everything*_by Joshua Foer
ASIN: B004H4XI5O

CCSS Standard for importance of memory tools

- Describe and define learning & remembering
- Recognize types of memory
- Utilize steps of the cycle of memory
- Create learning/memory enhancing environments.
- Compare & contrast multisensory learning vs traditional learning as it relates to memory and retrieval.
- Development of critical thinking based on memory tools
- Why strategies/techniques are important
- Explore active learning and remembering

Takeaways – What this course gives you:

- A focus on how students are thinking and how they are growing as thinkers & learners.
- Insight on ways students develop interpretations/remembrance of texts.
- A vision of building classrooms based on full attention/memory.
- Information on the expression of multiple perspectives about your memory.
- Strategies for going beyond the memory tools to ways the text connects with students' lives.
- Methods of classrooms participate in self-reflection and self-evaluation.
- Tools to help teachers shape timely instructional strategies targeted to immediate student needs.

Assignments

Assignment 1.1 Reflection and Goals

Reflect on your past experience with memory tools and describe your future goals for enhancing memory.

Assignment 2.1: Readings/videos to acquaint you with the memory tools.

This assignment will help you to understand and reflect on what you have read about and viewed and how you can transfer this knowledge to your classroom.

Assignment 3.1: memory tools Pre-Planning

Produce creative memory enhancing /improving memory activities.

Assignment 4.1 & 4.2: Lesson Plan and Presentation

Create a detailed, multi-paged, 3-Day lesson plan for applying the science of memory and remembering concepts in your classroom.

Create a 10-slide *PowerPoint* project based on the course readings, to present to an audience of peers.

Forum Posting

Share your experience with other course participants