

# Developing Cognition Skills



## Standards:

This course aligns to all of the INTASC Standards including Learner Development, Learning Differences, Learning Environments, Content Knowledge, Application of Content, Assessment, Planning for Instruction and Instructional Strategies.

It also aligns to all of the McRel Teacher Evaluation Standards including Teacher Leadership, Diverse Learners, Teachers Know Content, Teachers Facilitate Learning and Teachers Analyze and Reflect.

The U.S. Department of Education and others indicate that weak cognitive skills are the source of over 80% of learning problems.

Students approach each task with varying learning tools, called cognitive skills, and these skills determine the quality, speed, and ease with which individuals learn and perform.

This course provides methods for detecting students with weak cognitive skills and tools to strengthen those skills. Teachers will receive understanding, as well as ways to apply development techniques in the classroom. This fun and interactive course includes information about new brain research and how it can impact today's classrooms.



1 CEU



100% Online



Quizzes



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## *Course Outline*

### LESSON 1: Introduction

- Definition of cognitive skills and the barriers to successful learning
- Statistics on American students
- Five typical approaches prescribed for learning difficulties

### LESSON 2: The Brain and Learning

- The brain structure and the latest techniques and technology in brain research
- Learning about what impacts brain development in a young child

### LESSON 3: Testing

- IQ and achievement tests
- The importance of the right test to diagnose learning difficulties
- The connection between cognitive skills and learning
- Learning about several types of testing and how they can be used effectively

### LESSON 4: Cognitive Skills

- The 2 parts of learning
- Why cognitive skills are foundational tools
- The various theories of learning
- Attention and memory and how these skills can be developed in students

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### LESSON 5: Learning Styles

- Types of learning styles including visual, auditory, kinesthetic
- Learning styles inventory and its applications
- How learning styles impact teaching strategies and curriculum planning

### LESSON 6: General Training Strategies

- Definition and symptoms of autism
- The autism spectrum and primary conditions within this spectrum
- Other similar conditions, including Rett's syndrome and Fragile X syndrome
- Primary management for autism
- Functioning of the brain in autism and the cause for deficits

### LESSON 7: Reading Strategies

- Basic and critical reading skills
- Strategies to improve basic and critical skills
- Comprehension strategies
- The steps in reading
- Understanding the various reading approaches

### LESSON 8: Special Conditions

- Specific cognitive issues in conditions such as ADHD, Dyslexia, PDD, Autism, and ODD
- Learning strategies for these conditions

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