

# Research-Based Factors that influence Student Performance

(from various books by Robert Marzano)

## School Factors

- Guaranteed and Viable Curriculum
- Challenging Goals and Effective Feedback
- Parent and Community Involvement
- Safe and Orderly Environment
- Collegiality and Professionalism

## Teacher Factors

### ***Instructional Strategies***

*(Based on: The Art and Science of Teaching; Classroom Instruction That Works; Classroom Instruction That Works with English Language Learners; Classroom Instruction That Works with Technology; Building Academic Background Knowledge with Wide Area Reading and Vocabulary Instruction)*

- Identifying Similarities and Differences
- Summarizing and Note Taking
- Reinforcing Effort and Providing Recognition
- Homework and Practice
- Nonlinguistic Representations
- Cooperative Learning
- Setting Objectives and Providing Feedback
- Generating and Testing Hypotheses
- Cues, Questions, and Advance Organizers

### ***Classroom Management Strategies***

*(Based on: The Art and Science of Teaching; Classroom Management That Works)*

- Establishing and Enforcing Rules and Procedures
- Carrying out disciplinary actions
- Maintaining effective teacher and student relationships
- Maintaining an appropriate mental set for management

### ***Classroom Curriculum Design***

- Identify specific types of knowledge required
- Structure tasks to facilitate construction of meaning
- Plan multiple exposure to and complex interactions with knowledge