RESEARCH-BASED EFFECTIVE TEACHING PRINCIPLES FOR ALL EDUCATORS

- 1. Students learn more when they are actively engaged in instructional tasks.
- 2. High success rates correlate positively with student learning outcomes.



- 3. The more content covered, the greater the potential for student learning.
- 4. Students achieve more in classes where they spend most of their time being directly taught by a teacher.
- 5. Students become independent, self-regulated learners through instruction that is deliberately and carefully scaffolded.
 - Teachers provide support and structure, then systematically remove guidance and increase student competence.
- 6. The critical forms of knowledge (declarative, procedural, and conditional) must be addressed in order for students to become independent, self-regulated learners.
 - *Declarative factual information*
 - Procedural how to use the knowledge in specific ways
 - Conditional knowing when and where to apply the knowledge
- 7. Learning is increased when teaching is presented in a manner that assists students in organizing, storing, and retrieving information.
- 8. Strategic instruction will help students to become more independent, self-regulated learners.
 - Strategic instruction is designed to teach students how to apply techniques, principles, or rules in order to solve problems and complete tasks successfully and independently.
- 9. Students can become more independent, self-regulated learners through instruction that is explicit.
- 10. By teaching sameness both within and across subjects, teachers promote the ability of students to access knowledge in any problem-solving situation.
 - Teaching sameness is linking a single concept with many ideas and providing students with numerous examples to promote generalization.



From: Ellis, E. and Worthington, L. (1994). Research Synthesis on Effective Teaching Principles and the Design of Quality Tools for Educators. National Center to Improve the Tools of Educators, University of Oregon



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