South Dakota State University

ECE 488: Student Teaching within SDSU Preschool Laboratory

Concepts addressed in this review sheet: *Techniques for creating effective bridges between curriculum goals and students’ experiences: building new skills on those previously acquired*

Students should refer to notes within packet as well as daily communication notes taken during student teaching

Specifically, students should review:

- Definition of utilizing inquiry-based and problem-solving strategies
- Differences between individuals’ intelligences, exceptionalities, and/or learning styles
- How learning can be affected by language, culture, family, and community values
- Relationship between motivation and behavior including direct and indirect guidance methods/strategies
- Possible cognitive processes associated with student learning:
  - Critical thinking
  - Creative thinking
  - Higher-order thinking
  - Inductive and deductive thinking
  - Problem-solving
  - Invention
  - Memorization and recall
- Questions to utilize to encourage further understanding
  - Difference between open-ended vs. closed-ended questions
- Possible instructional strategies to use:
  - Cooperate learning
  - Direct instruction
  - Discovery learning
  - Whole-group discussion
  - Independent study
  - Interdisciplinary instruction
  - Concept mapping
  - Inquiry method
  - Questioning
  - Project-based learning