

Review Various Issues/Problems in Science Education

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This course to develop competency on review various issues / problems in science education that related to curriculum, educational management, classroom management, teachers, facilities and equipments, students, and communication between the school LPTK as well as efforts to overcome them.

science education related to curriculum

- science education that related to curriculum, educational management, classroom management, teachers, facilities and equipments, students, and communication between the school LPTK as well as efforts to overcome them.

Science education related to educational management

Science education related to students

Science education related to teachers

science education related to facilities and equipments

science education related to the communication between the school LPTK

Trends and Issues in Science Curriculum

- The Beginnings: 1860-1920
- The Utilitarian/Textbook period: 1920-1957

Trends and Issues in Science Curriculum

- The First Revolution in Science Education: 1957-1978
- The Second Revolution in Science Education: 1980-Present

Science Education Today

- A Taxonomy for Science Education

Science Education Today

- Cognitive Science and Constructivism
- Cognitive Science Research Related to Constructivism
- Misconceptions
- The Inert Knowledge Problem
- Motivation

Cooperative Learning and Technology

- Cooperative Learning
- Technology

Gender and Cultural Inequities & Assessment Reforms in Science Education

- Blocks to girls in science
- Blocks to Minorities-Group Achievement
- Implication of Research
- Assessment Reforms in Science Education