

Virginia Western Community College

CHD 146

Math, Science, and Social Studies for Children

Prerequisites

None

Course Description

Provides experiences in content, methods, and materials for the development of math, science, and social studies skills in children. Emphasis will be on developing strategies for using various resources to facilitate children's construction of knowledge. Addresses strategies for intervention and support for all children.

Lecture 3 hours. Total Contact Hours - 3 hours per week.

3 credits

Semester Credits: 3

Lecture Hours: 3

Required Materials

1. Textbook(s)
2. Internet access
3. Canvas

Textbook:

Howard, Rebecca and Charlesworth, Rosalind. *Math and Science for Young Children, with Mind Tap. 9th Edition*. Cengage. 2025. ISBN: 9798214130149.

Brophy, Jere, Alleman, Janet, and Anne-Lise Halvorsen. *Powerful Social Studies for Elementary Students, 4th Edition*. Cengage. 2018. ISBN: 9780357701904.

Other Required Materials:

None

Course Outcomes

At the completion of this course, the student should be able to:

- Describe the developmental characteristics of children as they relate to the areas of math, science, and social studies.
- Identify materials and procedures for constructing knowledge in the areas of math, science, and social studies for children.
- Design math, science, and social studies lessons and materials for children based on assessment data.
- Develop lessons and activities which differentiate instruction for children whose development is atypical or exceptional in the areas of math, science, and social studies.
- Design and apply assessment strategies for math, science, and social studies activities.
- Explain the role of culture in learning math, science, and social studies.
- Identify appropriate learning environments that foster exploration in the areas of math, science, and social studies.
- Identify and apply current State and National standards and competencies as they relate to working with children and families.

Topical Description

1	The developmental progression of concept building in math, science and social studies
2	The importance of working with families to support children's development and success
3	Individualization of instruction for children through assessment
4	Making use of community resources in programming for young children
5	Adapting environments and materials for children's individual needs

Notes to Instructors

None

[ADA Statement](#) (PDF)

[Title IX Statement](#) (PDF)