

## Course Outline

Course- Science

Level- 9<sup>th</sup>-12<sup>th</sup> MCI

Revised- 11/24/08 (J. Smith)

Prerequisites- none

### Course Description-

The Cognitively Disabled program offers small group instruction in a self-contained format. Students placed in the Cognitively Disabled program require extensive direct instruction in multiple settings in order to acquire and apply the skills necessary to function in domestic, community, living, recreational/leisure and vocational activities in school, work, home, and community environments. Modified curricula and alternative instructional approaches focusing on basic skills, life skills, and vocational skill development skills are utilized.

### CCCS Addressed-

5.1 (Science and Society)- All students will develop an understanding of how people of various cultures have contributed to the advancement of science and technology, and how major discoveries and events have advanced science and technology.

5.5 (Characteristics of Life)- All students will gain an understanding of the structure, characteristics, and basic needs of organisms and will investigate the diversity of life.

5.8 (Earth Science)- All students will gain an understanding of the structure, dynamics, and geophysical systems of the earth.

5.10 (Environmental Studies)- All students will develop an understanding of the environment as a system of interdependent components affected by human activity and natural phenomena.

### Goals and Objectives-

Goal- Students will gain an understanding of the characteristics and needs of living things.

- Objective- Students will maintain a class garden.
- Objective- Students will demonstrate their knowledge of animals by caring for a class dog.
- Objective- Students will be able to describe the phases of the life cycle of a butterfly.

Goal- Students will gain an understanding of the systems of the Earth.

- Objective- Students will describe and record current weather conditions and recognize how those conditions affect our daily life.
- Objective- Students will describe daily and seasonal changes and patterns in weather.
- Objective- Students will observe weather changes and patterns by measurable quantities such as temperature and amounts of precipitation.

Goal- Students will learn the steps involved in the scientific process

- Objective- Students will use proper tools to conduct experiments
- Objective- Students will practice observational skills
- Objective- Students will draw conclusions based on evidence

Goal- Students will understand the impact of human activities on the Earth

- Objective- Students will practice recycling in the school.
- Objective- Students will practice environmentally friendly gardening methods
- Objective- Students will transfer their knowledge into more conscientious use of energy in their homes.

Technology-

Classroom computers and computer lab

Touchscreen on computers

Projector with computer

Overhead Projector

Materials-

Seeds

Garden tools

Butterfly larvae

Butterfly pavilion

Plant Life, Steck Vaughn

Land Animals, Steck Vaughn

The Earth and Beyond, Steck-Vaughn

Classroom weather center

Composition books

Teacher created worksheets

Scholastic News

Paper Recycling Primer, Paper Recycling Coalition

SOS Earth, Water Squeeze, Troll Associates

Evaluation Methods-

Teacher made worksheets

Participation

Discussions

Quizzes

Projects