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Curriculum Units by Fellows of the Yale-New Haven Teachers Institute
1982 Volume VII: Human Fetal Development

Hereditary Defects—Down Syndrome and Sickle Cell Anemia

Guide for Curriculum Unit 82.07.06
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This unit gives background information on Gregor Mendel and his works, as well as Francis H. Crick and James D. Watson's model of the DNA molecule. Emphasis is placed on hereditary defects of Down Syndrome and Sickle cell Anemia. Also, included is a detailed glossary of genetic terms, a students' and teachers' annotated bibliography which includes books, magazines, audio-visual materials and computer soft-ware. The unit is intended for elementary and middle school teachers which may be used with small groups or individual students for one or two weeks. Students should have a working knowledge of the human cell.

(Recommended for Middle School Health, Family and Eighth grade Mathematics and High School Biology)

Key Words

Perinatology Biology Genetics Reproduction Fetal Development Human

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