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Curriculum Units by Fellows of the Yale-New Haven Teachers Institute
1999 Volume VII: Electronics in the 20th Century: Nature, Technology, People, Companies, and the
Marketplace

Medical Technology Related to Childbirth and Pregnancy

Guide for Curriculum Unit 99.07.05

by Bonnie M. Osborne

This curriculum unit was developed to be used with special education students, grades seven through twelve, in an alternative inner city public school servicing pregnant teens and young mothers. Although the unit was designed for a special education program, it is also suitable for use in parenting classes, or as an alternative topic in a general science class (with some modifications). The entire unit should take approximately three weeks, depending on the frequency and length of classes.

The main focus of the unit is to promote a simple, general understanding of basic scientific concepts and processes involved in developing the medical equipment used in pregnancy and childbirth. The unit provides background science information on the topics of energy, light, sound, electricity, and magnetism. The core unit topics include the study of X-rays, CT scans, ultrasound, and fetal monitoring devices.

(Recommended for Special Education Science and Parenting, grades 9-12.)

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