

Title: **NEW Standards-based Resource for Middle School *Technology Education*.**

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Abstract: Focuses on the efforts of the Center to Advance the Teaching of **Technology & Science (CATTS)** to formulate curriculum for K-12 **technology education**. Basis of the curriculum; Discussion about the curriculum; Incorporation of methods and activities for **standards-based** instruction.

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Section: Catts Consortium Page

NEW STANDARDS-BASED RESOURCE FOR MIDDLE SCHOOL TECHNOLOGY EDUCATION

The Center to Advance the Teaching of **Technology & Science (CATTS)** is coordinating a large scale, long term effort to develop a **standards-based**, fully articulated curriculum for K-12 **technology education**. This emerging curriculum is based on ITEA **Technology** for All Americans Project publications, Rationale and Structure for the Study of **Technology** (ITEA, 1996), and **Standards** for Technological Literacy: Content for the Study of **Technology (Standards** for Technological Literacy/SrL) (ITEA, 2000). The CATTS Consortium is providing the leadership for developing the framework and content for this comprehensive curriculum. The first curriculum component developed by the CATTS Consortium is A Guide to Develop **Standards-Based Curriculum for K-12 Technology Education** (ITEA, 2000). This guide establishes a foundation and framework for the development of state and local curriculum. Teachers, curriculum developers, and supervisors are encouraged to review this guide in order to understand curriculum considerations and research-based content for K-12 **technology education** curriculum. Also, the guide includes curriculum criteria, recommended courses, and program insights to help readers understand the nature and scope of **technology education** in schools.

Teaching **Technology: Middle School** (ITEA, 2000) incorporates contemporary methods and activities for **standards-based** instruction. This resource is intended to support student learning of what is important to know and be able to do in the study of **technology**. As an addendum to the **Standards** for Technological Literacy, Teaching **Technology: Middle School** was developed to provide guidance to teachers for expanding their instructional capabilities and in selecting appropriate strategies. Many of the suggested activities come from national projects

and have been teacher-tested. Each classroom/laboratory activity includes suggested methods and **standards** to be addressed. The guide provides helpful suggestions for planning and implementing **technology education** instruction at the middle level using the **standards**. The Resource section of Teaching **Technology**: Middle School provides an extensive list of print and electronic resources for middle level programs. Teachers in the CATTs Consortium states have been using this guide to begin implementing **standards**-based instruction in their programs.

Teaching **Technology**: Middle School and A Guide to Develop **Standards**-Based Curriculum for K-12 **Technology Education** are available from ITEA through the publications catalog. Look for similar curriculum resources to be published that address the technological literacy **standards**.

PHOTO (BLACK & WHITE): Teaching **Technology**: Middle School Strategies for **Standards**-Based Instruction

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