

Maine School Administrative District #75
Promotion of Curricula and Teaching Strategies That Integrate Technology

“ . . . a description of how the applicant will identify and promote curricula and teaching strategies that integrate technology effectively into curricula and instruction, based on a review of relevant research and leading to improvements in student academic achievement.”

Introduction. This document serves as resource of strategies and initiatives for integrating technology into the curriculum the District.

Strategies.

1. **Removal of the old model.** The old model makes a distinction between the curriculum and the technology, treating the latter as an add-on. Replacing the old model with a new model where technology is as integral a part of the curricula as the textbook or whiteboard.

2. **Focus Groups.** Establishing curriculum working groups composed of successful, experienced teachers who are creative and possess a good degree of proficiency with technology is key to developing integrated curricula. (See “Long-Term Goals” of [Appendix ”Computer Equity Plan”](#)) The District’s Comprehensive Assessment Plan has created a structure of curriculum focus groups that will be used in integrating technology with the curriculum. Responsibility for developing technology integration strategies will be in the hands of the professional educators within these focus groups. (See [Appendix “Comprehensive Assessment Plan Process”](#)) Assessment Committee Design Team includes the following focus groups:
 - a. English Language Arts Focus Group
 - b. Mathematics Focus Group
 - c. Social Studies Focus Group
 - d. Health & PE Focus Groups
 - e. Science & Technology Focus Groups
 - f. Modern & Classical Languages Focus Groups
 - g. Visual & Performing Arts Focus Groups
 - h. Career Prep Focus Group
 - i. Elementary Grade Level Focus Groups
 - j. Middle Level Focus Groups
 - k. High School Professional Learning Groups
 - l. Content Area Departmental Review

3. **Using technology to differentiate instruction.** Recognizing that different students learn differently, curriculum will be developed that supports differentiated learning. Software tools that can scan a page and then “read” it aloud to a student and use of movie presentation software are examples of ways technology may be used to enhance learning. (See [Appendix ”Timeliner and Writing Process”](#))

4. **Deliver details of the system to staff and parents and students.** Providing information to and seeking input from the community about additional strategies for integrating technology is a way to continually re-evaluate and uncover new methods.

The Technology Advisory Committee provides a good avenue for this strategy. (See [Section “Community and Parental Involvement”](#))

Initiatives.

1. **Hiring two new positions at the middle school in support of integration for the Math curriculum.**
 - a. **6/8th Math Specialist.** This position will serve more as a staff development role (primary for the 6th grade but with staff development responsibilities for all grades). This position will also work to implement and support the development of various aspects of the Math curriculum. The District anticipates the position starting in September.
 - b. **7/8 targeted support teacher.** This position will give specific focus to integration efforts for 7th and 8th grade.

2. **Technology used for remedial instruction.**
 - a. **Summer school.** This initiative is to use quality software that is in line with the desired outcomes (i.e. Lexia for Literacy). In this initiative an Ed Tech will facilitate the use of the software with multiple students.
 - b. **“Understanding Math”.** Use of this mathematics software to assist students in their learning process of mathematical relations.

3. **Web sites for curriculum assessment.**
 - a. **Public.** A site is under development that will provide the community access to information about the various curricula and assessment standards in use in the District.
 - b. **Private.** A site is under development that will provide access to information about the local assessment system, curriculum resources, protocols, policies, and support to the teachers within the District.