

ANCHORAGE SCHOOL DISTRICT

ANCHORAGE, ALASKA

ASD MEMORANDUM #174 (98-99) January 25, 1999

TO: SCHOOL BOARD

FROM: OFFICE OF THE SUPERINTENDENT

SUBJECT: APPROVAL OF ASD INSTRUCTIONAL TECHNOLOGY
TEACHER COMPETENCIES AND STUDENT FRAMEWORKS

RECOMMENDATION:

It is the Administration's recommendation that the School Board approve the attached list of Instructional Technology Teacher Competencies and Student Frameworks with Technology Performance Indicators. Upon approval, these will be distributed to all schools and will serve as standard skill expectations for teachers and students.

PERTINENT FACTS:

The expanding role of technology for educational, research, and administrative purposes has increased our need to identify the competencies necessary to effectively integrate technology into student learning.

Over the course of the 1996-97 school year, a committee of teachers and administrators met to identify technology competencies for teachers. The team reviewed numerous state and national technology standards for teachers in the process of identifying ASD competencies.

The major competency areas for teachers are:

- Integration into Classroom Curriculum
- Basic Computer Operations and Troubleshooting
- Using Basic Productivity Tool Software

- Telecommunications-Networking
- Multimedia

The ASD Instructional Technology training program, including approved credit courses, is designed to provide teachers with the identified competencies. During the summer of 1998, 64 credit classes were offered and successfully completed by over 1,000 ASD participants.

During the 1997-98 school year, the committee worked to identify a framework of student standards with technology performance indicators at specific grade levels. The frameworks identify domains, grade levels and technology performance indicators.

The domains and sub-domains are:

- Basic Operations and Concepts
 - Troubleshooting/Maintenance
 - Human-Computer Interaction
 - Operating the Computer
 - Productivity Tools & Applications
 - Networking
 - Computer Knowledge
- Tools for Communication and Research
 - Electronic Mail
 - Internet
 - Research
 - Network
 - Presentation/Multimedia
- Social, Ethical, and Human Issues

- Social Issues
- Ethical Use
- Human Concerns

Each indicator is identified as to the specific grade where the skill is introduced, reinforced, and mastered. The introduction, reinforcement, and mastery of these skills occur in conjunction with the integration of technology in all areas of the curriculum.

BC/CC/NDH/SB

Attachments

Prepared by: Norman Holthouse, Executive Director,

Instructional Technology/MIS

Sharon Bandle, Coordinator, Instructional Technology

Approved by: Carol Comeau, Assistant Superintendent, Instruction