DECEMBER 19, 1994

Technology plan for junior high

How can technology help us to achieve district missions and goals?

1.   Norfolk Public Schools Mission:
        "The mission of the Norfolk Public Schools is to equip all students to succeed in a complex changing world."   The world in which we live is indeed complex and is rapidly changing.   The rate in which human knowledge doubles has accelerated from a time scale of centuries to one of months. This torrential stream of information can no longer be dealt with effectively by traditional means. Technology is a tool that will allow Norfolk Public School graduates to access, manage, analyze and utilize this information -- enabling them to flourish in the 21st century.

2.   Norfolk Public Schools Lifelong Goals:

Students who graduate from Norfolk Public Schools will be:

        A. Academically Prepared...who achieved basic educational skills and can apply them to the attainment of lifelong goals

        B. Critical and Creative Thinkers...who identify problems and/or situations, collect and analyze information to create opportunities and implement solutions for a changing and diversified world.

        C.   Effective Communicators...who interact productively with others in a variety of situations.
        D.   Quality Producers...who create and enhance ideas and products which reflect originality, high quality, and personal or social value.
        E.   Collaborative Contributors...who develop and manage interpersonal relationships to benefit self and others within the family, work, community, and global environment.
        F. Responsible Individuals... who assume social, legal, and moral responsibility for their own actions.
        G. Responsible Citizens...who take the initiative to contribute their time, energy, and talents to improve the welfare of themselves and others, and to enhance the quality of life in their local and global environments.
        H. Lifelong Learners...who set priorities and achievable goals, create their own opportunities, and monitor/assess their own progress.

NORFOLK JUNIOR HIGH
TECHNOLOGY PRINCIPLES

Members of the school community will be able to access the resources of the global InterNet from any classroom, media center, or office in the district.

Members of the school community will be ale to communicate easily with any other individual in the district using electronic mail, 2-way video, typetalk, or by phone.

Members of the school community will be able to access, manipulate, and analyze school-related work and school-related data from any classroom, media center, or office in the district--with appropriate precautions and security restrictions to protect sensitive work and information.

Members of the school community will have sufficient access to computers as manipulation/communication tools to formulate, organize, manipulate, revise, and communicate their thoughts, ideas, and learning in a variety of media--print, video, audio, graphics.

Members of the school community will have sufficient access to computers as sensing tools that are able to measure their environment and surroundings as well as being able to record and analyze collected data, images, and sound.

Members of the school community will have access to computers as recording tools that are able to quickly accept, record, and store input from individuals in written, graphic, and audio form for later manipulation, analysis, review, or other use.

Members of the school community will have regular access to the presentation equipment needed to make text-based, graphic-based, and multi-media presentations to large groups.

Members of the school community will receive on-going training that will empower them to maximize the utilization of all school-owned technology.

The school community will be committed to regularly upgrading and modernizing all school-owned technology.

The school community will be committed to a technology outreach program to the entire community of Norfolk--exposing parents, business leaders, and community leaders to the benefits and importance of technology.

Teachers will be given time and assistance to develop curriculum applications to utilization of technology and incorporate them into their classroom

communication with parents--time & training--curriculum integration--to enhance teaching/learning process

3. Elements of a Junior High Technology Plan

Technology as a tool...

Technology should:

Be a communication tool for students and teachers.

Be a collaboration tool for students and teachers.

Be an information access tool for students and teachers.

Be an information analysis tool for students and teachers.

Be an information management tool for students and teachers.

Be an creative tool for students and teachers.

Be a presentation tool for students and teachers.

Be a visualization tool for students and teachers.

Be a productivity and efficiency tool for students and teachers.

Be an enabling tool for students and teachers...especially for disabled individuals.

Be an administrative tool for students, teachers, and administrators.

 Be a tool for multi-cultural education.

4. Uses of technology by subject area--Each of the following subject areas should interact with the above uses of technology can be used in their particular area.

Science

Mathematics

Social Studies

Language arts

Physical Education

Special Education

Business Education

Life Education

Industrial Technology

Multi-cultural Education

Foreign language

5. Concerns:

Teachers must have reliable access to technology at multiple locations within the school (and at home?) so that they have the opportunity to become familiar, proficient in use of technology.

Teachers must have access to quality training and on-going support.

Teachers must have time to develop and create integrations of technology into lessons.

Students should have access to computers both inside and out of the classroom and schools.

An infra-structure must be created, maintained, and regularly-updated within the physical plant of the school building.

An individual should be able to access from many locations in the building all forms of electric information (with appropriate security measures and levels)