

III. THREE-YEAR GOALS AND OBJECTIVES

Describe the specific goals and objectives for using technology to improve student academic achievement aligned with NJ Core Curriculum Content Standards, include goals and objectives for integrating technology (including software and other electronically delivered learning materials) into curricula and instruction. Also include a timeline for such integration.

Priorities for future achievement.

In keeping with our vision and mission to improve student academic achievement that meets or exceeds the NJ Core Curriculum Content Standards, the Chester Township Schools have identified specific goals relevant to technology for the period July 2004 to June 2007.

Our future achievement is predicated upon past and ongoing accomplishments that reflect our mission and vision to serve the academic and social interests of our students as they strive for excellence while supporting our staff and informing our community. As a consequence of a focused effort as prescribed by previous Technology Plans the Chester Township has made significant inroads into applying technology as means of supporting instruction and the delivery of educational services. In order to place our current goals in proper perspective, it would seem appropriate to briefly highlight some of our key accomplishments that have had definite impact and are ongoing in our effort to incorporate the benefit of technology effectively and efficiently.

During the past four years we have provided the following:

- Curriculum integration and pilot programs to enhance the learning process and create technology rich environments with emphasis on differentiated instruction.
- Curriculums presented on-line.
- Access to a broad range of information via Internet, CDs and various libraries.
- Reaction of learning opportunities for extended learners to develop depth of understanding, synthesis and analysis through effective computer applications i.e. Johns Hopkins Gifted and Talented Program.
- Creation and maintenance of a state-of-the-art lab within the schools.
- Providing multi-purpose mobile computer labs at the elementary level.
- Creation of classroom computer clusters in designated areas within each school including one or more multimedia workstation per classroom.
- Establish state-of-the-art equipment that will augment the learning environment such as video streaming, projectors, smart boards, Mimios, etc.
- Access to school resources from home.
- Enhanced communication through electronic mail discussion boards, online surveys, etc.
- Automated administrative tasks to increase productivity and decrease use of paper (Community Communication System, VersaTrans, WinSchool, Curriculum Designer, EdPerformance, Tegrity etc).
- Distance learning capabilities (Increase bandwidth, improve equipment etc.)
- Standardization of software tools and hardware.
- Continuous training and support for technology integration.
- Support of nine teachers who received Masters in Educational Technology.

Goal: Learners become technologically capable when they apply technology across the curricular areas and when technology is used throughout the learning process.

Objectives:

Our communication technology program will:

- Embed technology skills into the district’s curricula that are aligned with the NJ Core Content Curriculum Standards
- Select and acquire current and appropriate technologies to support a challenging educational program
- Standardize the resources used for instruction as they relate to specific units of the curriculum.
- Provide support to teachers in integrating curricula that includes communication technologies.
- Foster the responsible use of technology as a joint commitment with classroom teachers, librarians, computer specialists, and the community.
- Recognize technological literacy as one of the basic skills for both students and teachers.

The students will be encouraged to

- Expand the range and effectiveness of their communication skills
- Express individual creativity
- Explore, evaluate, and use technology to accomplish real world tasks independently and cooperatively
- Locate and acquire information using various forms of technology
- Acquire knowledge, solve problems, conduct research, analyze solutions, and present meaningful results
- Develop critical thinking, decision making and problem solving skills through the research process
- Develop the skills as defined in the NJ Core Content Curriculum Standards for Technology.

**IV. THREE-YEAR IMPLEMENTATION STRATEGIES/ACTIVITY TABLES
(July 2004 – June 2007)**

Describe the implementation strategies and activities that relate to the District/Charter School’s goals and objectives. Include strategies and activities that address the following:

how all students will acquire information technology literacy skills;

Goal 1: Students will attain the educational technology and information literacy skills that will assist them in achieving the NJ Core Curriculum Content Standards and to succeed in the workplace of the 21st century. **(NJ) (CTS)**

Objective Number	Activity	Timeline	Person Responsible	Person Facilitating Activity	Evaluation
1.1	Educational technology will be infused into the school district’s curriculum and instructional	Ongoing	Board of Education, Administration,	Technology Teacher, Classroom	Observation, Work Samples, Lesson Plans

	<p>activities. (NJ) CCWR 2.8: Use technology and other tools, including word-processing, spreadsheet and presentation programs, and print or graphic utilities, to produce products. (CCCS) LAL 3.2 A #5: Compose, revise, edit, and publish writing using appropriate word processing software. (CCCS)</p>		Curriculum Director, Technology Committee	Teacher, Media Specialist	
1.2	<p>All schools will adopt curricula that include information literacy and educational technology standards aligned with the NJ Core Curriculum Content Standards and accepted national standards. (NJ) CCWR 2.2: Select appropriate tools and technology for specific activities. (CCCS) The curriculum will also adhere to the Technology standards for all students as outlined by The National Educational Technology Standards (NETS) NOTE: Technology Curriculum is available online at www.chester-nj.org</p>	Ongoing	Board of Education, Administration, Curriculum Director, Technology Committee	Technology Teacher, Classroom Teacher, Media Specialist	Observation, Curriculum, Maps
1.3	<p>All students will demonstrate proficiency in using educational technology and information literacy skills to enhance learning, increase productivity and promote creativity. (NJ) TL 8.2 B #5: Select and use appropriate tools and materials safely (see District AUP) in analyzing, designing, modeling or making a technological product, system or environment. (CCCS) (CTS) CCWR 2.7: Use technology and other tools to solve problems, collect data, and make decisions. (CCCS) Improve student academic achievement through the use of technology in schools. (NCLB)</p>	Ongoing	Board of Education, Administration, Curriculum Director, Technology Committee	Technology Teacher, Classroom Teacher, Media Specialist	Observation, Work Samples, Lesson Plans
1.4	<p>All students will have equitable and easy access to effective and engaging software, CD ROMs and online resources for content delivery as an integral part of every school</p>	Ongoing	Board of Education, Administration, Curriculum Director,	Technology Teacher, Classroom Teacher, Media Specialist	Observation, Policy Guidelines

	<p>curriculum. Content materials will meet universal design standards to assure access for students with disabilities. (NJ)</p> <p>CCWR 2.6: Access and assess information on specific topics using both technological (e.g., computer, telephone, satellite) and print resources available in libraries or media centers. (CCCS)</p>		Technology Committee		
1.5	<p>All students will have equitable and easy access to the Internet and other distance learning technology to obtain information and resources from remote locations to collaborate, publish and interact with peers, experts and other audiences. (NJ)</p> <p>Alternate access: Homework Club, Media Centers, Computer Labs, Public Libraries</p> <p>CCWR 2.5: Access technology-based communication and information systems. (CCCS) SCI 5.8 D #1: Utilize data gathered from emerging technologies (i.e. geographic information systems (GIS) and global positioning systems (GPS)) to create representations and describe processes of change on the Earth's surface. (CCCS)</p>	Ongoing	Board of Education, Administration, Curriculum Director, Technology Committee	Technology Teacher, Classroom Teacher, Media Specialist	Observation, Policy Guidelines
1.6	<p>All students will use technology tools and applications for solving problems, making informed decisions, and participating in authentic, project-based learning. (NJ)</p> <p>CCWR 2.8: Use technology and other tools, including word-processing, spreadsheet and presentation programs, and print or graphic utilities, to produce products. (CCCS)</p> <p>CECFLS 9.2 A #1: Demonstrate the ability to communicate, analyze data, apply technology, and problem solve. (CCCS)</p>	Ongoing	Board of Education, Administration, Curriculum Director, Technology Committee	Technology Teacher, Classroom Teacher, Media Specialist	Observation, Work Samples
1.7	<p>All students will act responsibly and ethically when obtaining and using onsite and online information resources. (see District AUP) (NJ)</p> <p>CCWR 2.10: Discuss problems</p>	Ongoing	Board of Education, Administration, Curriculum Director,	Technology Teacher, Classroom Teacher, Media Specialist	Observation, Acceptable Use Policy

	<p>related to the increasing use of technologies. (CCCS) CHPE 2.1 #9: Analyze how family, peers, culture, media, technology, and the environment affect wellness. (CCCS) TL 8.2 B #5: Select and use appropriate tools and materials safely in analyzing, designing, modeling or making a technological product, system or environment. (CCCS)</p>		Technology Committee		
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Goal 2: Educators will attain the skills and knowledge necessary to effectively use educational technology to assist students to achieve the NJ Core Curriculum Content Standards. **(NJ) (CTS)**

Objective Number	Activity	Timeline	Person Responsible	Person Facilitating Activity	Evaluation
2.1	<p>All educators will participate in high-quality professional development activities and attain, at a minimum, intermediate proficiency levels in utilizing educational technology to enhance student achievement. (NJ) Additional training opportunities: New Jersey City University Masters in Educational Technology program held on-site at Black River Middle School. The district will provide effective integration of technology resources and systems with teacher training and curriculum development to establish research-based instructional methods that can be widely implemented as best practices by State educational agencies and local educational agencies. (NCLB)</p>	Ongoing	Board of Education, Administration, Professional Development Committee	Administration, NJCU Staff, Professional Development Committee	Documentation of Courses, Work Samples
2.2	<p>All supervision and evaluation practices will address the effective use of educational technology for student achievement of the NJ Core Curriculum Content Standards. (NJ) The administration will also adhere to the Technology</p>	Ongoing	Board of Education, Administration, Professional Development Committee	Administration	Observations, Teacher Evaluations, Professional Improvement Plans

	standards for all administrators as outlined by The National Educational Technology Standards (NETS)				
2.3	All educators will use technology tools and applications that provide opportunities for authentic, student-centered, project-based learning. (NJ) Teachers will adhere to the Technology standards for all teachers as outlined by The National Educational Technology Standards (NETS)	Ongoing	Board of Education, Administration, Technology Committee	Technology Teacher, Classroom Teacher, Media Specialist	Observation, Lesson Plans, Teacher Surveys
2.4	All educators will have access to e-mail and other interactive tools to communicate with parents, students and other educators. (NJ) Communication with community, parents and administration will be augmented with our online “Community Communications” system, which allows online group email, bulletin boards, surveys, etc. (CTS) Every staff member has access to webspace for their own website. Online multi-media communications and posting of lessons is available through the “Tegrity WebLearner” web studios. (CTS)	Ongoing	Board of Education, Administration, Technology Committee	Administration, Technology Teacher, Classroom Teacher, Media Specialist, Technology Team	E-Mail, Teacher Web pages, Community Communications, Electronic Threaded Discussion Groups, Online surveys, District Web site
2.5	All educators will act responsibly and ethically when obtaining and using onsite and online information resources. (NJ)	Ongoing	Board of Education, Administration, Technology Committee	Administration	Acceptable Use Policy
2.6	Under the direction of the district technology coordinator, all schools will have an assigned building level technical liaison for educators offering timely, onsite guidance and modeling to enhance teacher and administrator proficiency in using and managing technology-based resources. (NJ)	Ongoing	Board of Education, Administration, Technology Committee	Administration, Technology Coordinator	Documentation, District Policy

Goal 3: Students, teachers and administrators will have access to educational technology in all learning environments, including classrooms, media centers, schools, and other educational settings, such as public libraries. **(NJ) (CTS)**

Objective Number	Activity	Timeline	Person Responsible	Person Facilitating Activity	Evaluation
3.1	<p>All students and educators will have regular and equitable access to technology equipment (both desktop and portable) when needed in all learning environments. This includes access to technologies with universal design features or other design modifications that assure access for students with educational disabilities. (NJ)</p> <p>The district will ensure that every student in crossing the digital divide by ensuring that every student is technologically literate by the time the student finishes the eighth grade, regardless of the student's race, ethnicity, gender, family income, geographic location, or disability. (NCLB)</p> <p>Chester Township Schools were the recipients of \$250,000 for a state grant for "Supporting Students with Disabilities in General Education Classrooms".</p>	Ongoing	Board of Education, Administration, Technology Committee	Administration, Technology Coordinator	Inventory, Technology Plan, District Surveys, Observations
3.2	All schools will provide a ratio of five students or less to one multimedia computer. All computers will be connected to the Internet. (NJ)	Ongoing	Board of Education, Administration, Technology Committee	Administration, Technology Coordinator	Inventory, Network Survey
3.3	The district, schools and classrooms will be connected to broadband, high-speed voice, video and data networks in all learning environments. (NJ)	Ongoing	Board of Education, Administration, Technology Committee	Administration, Technology Coordinator	Inventory, Network Survey
3.4	All schools will have Local Area Networks (a system or network of interconnected computers within a school building), and Wide Area Networks (a network that electronically interconnects multiple school networks). (NJ)	Ongoing	Board of Education, Administration, Technology Committee	Administration, Technology Coordinator	Inventory, Network Survey
3.5	All districts and schools will have high-quality, highly informative, user-friendly Web sites. (NJ) The district	Ongoing	Board of Education, Administration,	Administration, Technology Coordinator,	Administrative Review, Observation

	will implement and maintain communications with the school and local community through an online “Community Communications” system (internet community). (CTS)		Technology Committee	District Webmaster, Media Specialist, Classroom teachers	
3.6	All educators will have easy access to technical support via a technician and/or electronic assistance that is necessary to maintain operating technology equipment (e.g., help desks, hot lines, electronic monitoring, and troubleshooters). (NJ)	Ongoing	Board of Education, Administration, Technology Committee	Administration, Technology Coordinator, Building Technology Liaison, SWAT (Students Working for Advancement of Technology)	Documentation (Technology Request Forms and database), Electronic Help Desk, District Survey, Network Survey
3.7	The school district will establish relationships with appropriate partners, including, but not limited to, other public agencies and entities (State Grants), education institutions (NJCU), community-based organizations (PTO, Foundation, Chester Alliance) and private corporations (Novartis) to increase opportunities for sustained technology access and broad, collaborative learning environments. (NJ) Other Examples: Public library, West Morris Area Consortium, Shared Technology Coordinator	Ongoing	Board of Education, Administration, Technology Committee	Administration, Technology Teacher, Classroom Teacher, Media Specialist	Periodic Evaluation, Observation
3.8	The district and schools will identify and support the needs of students who do not have access to technology in their homes to enable them to continue their learning through technology when school is not in session. (NJ) Alternate access: NJ State Inclusion Grant computers, Student Laptop Program, Homework Club, Media Centers, Computer Labs, Public Libraries	Ongoing	Board of Education, Administration, Curriculum Director, Technology Committee	Technology Teacher, Classroom Teacher, Media Specialist	Observation, Policy Guidelines
3.9	The school district will adopt an Acceptable Use Policy and other means to ensure that all students, teachers and administrators are able to use technology systems, online resources and software in a safe, ethical and secure manner. (NJ)	Ongoing	Board of Education, Administration, Technology Committee	Administration, Technology Coordinator, Office Staff	Enforcement/Documentation of signed AUP’s, Periodic Review

Goal 4: The school district will establish and maintain the technology infrastructure necessary for students and educators to access electronic information and to communicate freely via technology. **(NJ) (CTS)**

Objective Number	Activity	Timeline	Person Responsible	Person Facilitating Activity	Evaluation
4.1	The district will obtain and maintain broadband, high-speed networks and reliable Internet access that enables students and educators to support their curricula activities. (NJ)	Ongoing	Board of Education, Administration, Technology Committee	Administration, Technology Coordinator, Technicians,	Observation, District Survey, Network Survey
4.2	The school buildings will have the equipment necessary to provide distance-learning opportunities. (NJ)	Ongoing	Board of Education, Administration, Technology Committee	Administration, Technology Coordinator, Technicians, Technology Teacher, Media Specialist	Observation, District Survey, Network Survey
4.3	The schools will maintain quality hardware/software with adequate capacity and capability to support successful learning in classrooms, media centers and throughout the learning environment. (NJ)	Ongoing	Board of Education, Administration, Technology Committee	Administration, Technology Coordinator, Technicians, Technology Teacher, Classroom Teacher, Media Specialist	Observation, District Survey, Network Survey

Goal 5 : Teachers will use technology as a means to differentiate instruction by utilizing resources of the Internet to create visual, interactive, narrative engagements that maximize their individual learning style of the students and supports the classroom objectives that conform to the NJ Core Curriculum Content Standards. **(CCCS) (CTS)**

District Goal and Objective Number	Activity	Timeline	Person Responsible	Person Facilitating Activity (if applicable)	Evaluation
5.1	Students will be able to use district standard software	2004-'07	Administration	Classroom teacher, Technology Liaison, Media specialist	Project based rubric, teacher assessment