

## **Element I—Curriculum**

Pennfield Schools uses the Michigan Educational Technology Standards (METS) for the district curriculum. All eighth grade students are assessed for technology proficiency. All graduating students are expected to fulfill the Michigan requirement for online learning.

- [METS - Grades K-2](http://techplan.edzone.net/METS/METS2009PK2.pdf) - <http://techplan.edzone.net/METS/METS2009PK2.pdf>
- [METS - Grades 3-5](http://techplan.edzone.net/METS/METS200935.pdf) - <http://techplan.edzone.net/METS/METS200935.pdf>
- [METS - Grades 6-8](http://techplan.edzone.net/METS/METS200968.pdf) - <http://techplan.edzone.net/METS/METS200968.pdf>
- [METS - Grades 9-12](http://techplan.edzone.net/METS/METS2009912.pdf) - <http://techplan.edzone.net/METS/METS2009912.pdf>
- Online Learning requirement - <http://techplan.org/Online%20Experience%20Guidelines%202006.pdf>

Technology Foundation Standards for All Students<sup>3</sup>:

1. Creativity and Innovation
2. Communication and Collaboration
3. Research and Information Fluency
4. Critical Thinking, Problem Solving and Decision Making
5. Digital Citizenship
6. Technology Operations and Concepts
  - [NETS Students Standards](#)

Technology Foundation Standards for All Teachers<sup>4</sup>:

1. Facilitate and inspire student learning and creativity
2. Design and develop digital age learning experiences and assessments
3. Model digital age work and learning
4. Promote and model digital citizenship and responsibility
5. Engage in professional growth and leadership
  - [NETS Teachers Standards](#)

Technology Foundation Standards for Administrators:

1. Inspire Excellence through transformational leadership
2. Establish a robust digital age learning culture
3. Advance excellence in digital age professional practice
4. Ensure systematic transformation of educational enterprise
5. Model and advance digital citizenship

- [NETS standards for administrators](#)

Pennfield Schools is taking positive steps to achieve these challenging state and national standards in the following ways:

A. **Curriculum Integration—Section 4**

Technology Goal 2: Support curriculum and instructional improvement through the use of technology

- o *Strategy*—devise, deliver, and promote technology staff development opportunities for Pennfield staff
- o *Strategy*—Instructional Technology Coordinator works with the curriculum director and Core Curriculum Committees in an advisory capacity to develop school improvement goals and strategies
- o *Strategy* - Technology Director will be the representative for the Administrative team meetings. The Instructional Technology Coordinator will be the representative on the Administrative Curriculum meetings.
- o *Strategy*—Director of Technology and Instructional Technology Coordinator works in coordination with the curriculum director and Core Curriculum Chairs on a regular basis
- o *Strategy* - Technology Administrator is a member of the District Advisory Committee (District School Improvement team)
- o *Strategy*- Instructional Technology Coordinator supports and trains the use of MOODLE (an online content management system) for use in and out of the classroom to deliver and organize resources and content for student learning.
- o *Strategy*- The Instructional technology coordinator will work with the curriculum director and the ISD consortium to train and maintain the use of Data Director for data based decision making to improve pedagogy and ensure student learning.
- o *Strategy* - The Instructional Technology Coordinator will research and test new hardware for the use of improving the teaching and learning process. Some specific examples would be mobile devices,

such as smart phones, tablets (iOS and Droid), laptops, handhelds (i.e. ipods). They will support the implementation of such devices as they become available for classroom use.

- *Strategy*- Instructional Technology Coordinator will continually research and find the best technology resources and applications to support the curriculum to promote best practice for teaching and learning. They will train teachers in how to use these resources to promote effective learning.
- *Strategy*- Instructional Technology Coordinator will look for staff members who are effectively using technology in the classroom and use them in Professional Development as examples and/or trainers
- *Strategy*- Staff will present at conferences where technology integration is the goal so that they can learn from other schools and agencies
- *Strategy* - Promote technology and teaching staff to attend appropriate conferences that will allow attendees to learn what other districts are doing and what strategies are effective
- *Strategy* -Acquire technologies as designated by the curriculum and school improvement plan for all students and staff
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B. **Student Achievement**—**Section 5**

**Technology Goal 5:** Deliver high quality technology instruction to all Pennfield staff and students

- *Strategy*—Acquire technologies as designated by the curriculum and school improvement plan for all students and staff
- *Strategy*— Instructional Technology Coordinator works with the Curriculum Director and Core Curriculum Committees in an advisory capacity to develop school improvement goals (See Appendix B)
- *Strategy* - Instructional Technology Coordinator will support and train staff in the use of data to drive instruction and analyze student learning.
- *Strategy* - Technology Department will work with administration and staff to prepare and implement online student assessment for state testing.
- *Strategy*—Development and implementation of the Pennfield Technology Education Plan

c. **Technology Delivery**—Section 6

**Technology Goal 4:** Deliver appropriate educational technology tools to all Pennfield staff and students

- *Strategy*—Acquire curriculum directed technologies for all students and staff
- *Strategy*—Continue to subscribe to Discovery Video Streaming and support staff and students in its use
- *Strategy*—Continue to send eleventh and twelfth graders to Calhoun Area Technology Center for training in a variety of technical education programs
- *Strategy*-Provide professional development and support for the implementation of Moodle
- *Strategy*-Provide professional development and support for the implementation of Data Director
- *Strategy*-Continue to support the student services application (Zangle) and move to a new system (PowerSchool)
- *Strategy*-Provide mobile technology (laptops, handhelds, wireless, etc...) to students and staff
- *Strategy*-Support core educational skills like critical thinking, problem solving, collaboration, self-directed learning, civic engagement and economic literacy with the appropriate technology too
- *Strategy* – Continue to find and assess online learning tools and other resources to support their implementation in the classroom
- *Strategy* - search for appropriate grants to fund technology equipment. Also support staff who are doing the same.

A. **Parental Communications & Community Relations**—Section 7

**Technology Goal 6:** Promote a school, business, industry, governmental, and community working partnership

- *Strategy*—Provide links to other community entities on school web page
- *Strategy*—Provide classroom teachers with web server space, training, and support to create and maintain classroom websites (Moodle)

- *Strategy*—Develop and post information from such organizations as the Pennfield Athletic Boosters, Pennfield Alumni, and Pennfield Education Association on Pennfield website
- *Strategy*—Allow staff from other districts in area to attend technology related professional development held at Pennfield Schools
- *Strategy*—Participate in business promotional offers to acquire new technologies
- *Strategy*—Provide parents with Pennfield staff e-mail addresses
- *Strategy*—Write articles for local newspapers, Shopper Weekly, School Building newsletters, and District Newsletters related to state of technology at Pennfield Schools
- *Strategy*—Showcase students’ work that has integrated the use of technology during annual Open Houses, Teacher/Parent Conferences and student showcase events at the State level
- *Strategy*—Expand current District Technology Committee to include more parents and community members
- *Strategy*-Support staff use of online lessons and distant learning.
- *Strategy*- Continue to support online student information (PowerSchool Public Portal)

**Technology Goal 7:** Communicate to the public the District Technology Plan

- *Strategies*—Publish the plan on the Pennfield Web site <http://www.pennfield.net/tech/index.htm>
- *Strategy*—Share achievements of the plan through articles in classroom, building, and district newsletters
- *Strategy*—Share achievements of plan in a monthly Technology Report to the Board of Education
- *Strategy*—Share achievements of the plan at least annually at a public Board meeting session

***B. Collaboration—Section 8***

Pennfield Schools is not currently an adult literacy provider for the following reasons:

- It has not been economically feasible.
- Former Pennfield Schools that have not graduated on time can earn GED certification through the Operation GRAD program offered by Battle Creek Public Schools.
- Recent attempts to begin an Adult Education class have failed due to lack of interest in the community.