

Education Technology Strategies for ePeGS Goals

The electronic Plans and electronic Grants System (ePeGS) planning tool helps districts develop, implement, and evaluate plans such as the district comprehensive school improvement plan (CSIP), education technology plan, and other required plans. This document is intended to provide guidance for how the district might use integrated educational technologies to meet district goals and objectives. The examples provided are broad/general and should be personalized to focus on the district's particular subject area needs, types of instructional rooms, instructional practices, etc. The **MSIP** and **METSP** notations indicate where strategies align with the MSIP process standards and indicators and the 2007-11 Missouri Education Technology Strategic Plan (METSP) focus areas and major implementation strategies. [See METSP at: <http://dese.mo.gov/divimprove/instrtech/techplan/07-11.pdf>.]

The Goals Objectives Strategies Actions Steps (GOSA) page in the planning tools follows the basic structure of planning where the user selects a goal first, then objective, then strategy, then action step. The system is designed to work on one goal, objective, strategy (and action is needed) at a time. However, objectives and/or strategies may be applied to multiple plans.

Goals – Many districts require all plans, including the technology plan, to align with the district CSIP goals. Areas common to many CSIPs currently in place address student performance, highly qualified staff, facilities/support/instructional resources, parent/community involvement, and governance. The districts may choose to use some or all of these goals or create their own.

Objectives – Establish one or more objectives for each goal. Objectives represent specific targets and must be measurable. Long-range objectives include specific performance measures to report annual progress toward achieving the objective.

Strategies – Itemize one or more strategies for each objective. Strategies detail how the objective will be accomplished; they identify the programs and practices to be implemented, the persons responsible, the resources committed to the strategy, and timelines for implementation. Note that objectives and/or strategies may be applied to multiple plans.

Action Steps – Strategies that are broad, complex, or require a number of years to implement should include action steps. Action steps divide the strategies into more specific responsibilities and activities that are necessary to fully implement the strategy. Action plans will also indicate responsible persons, resources, and timeline.

CSIP Goal 1: Student Performance (METSP TFA: Student Learning)

Example: The district might establish the goal to “develop and enhance quality education and instructional programs to improve student performance and enable students to meet personal, academic, and career goals” with related objectives that “by 2012 all students in grades K-8 will read at or above the 75thile as measured by [X standardized assessment] through implementation of the eMINTS instructional model”, to “increase the percentage of students who meet technology literacy standards by the end of eighth grade as measured by [X tool]”, and/or that “technology will be fully integrated into the curricula and instruction for all students by June 2008.”

Technology-related strategies and/or action steps:

All students will engage in rigorous instruction driven by technology-enriched curriculum that meets students' assessed needs, results in high levels of academic achievement and performance, and fosters life-long learning. (**MSIP 6.1, 6.3**) (**METSP S1, S2**)

Written curriculum will incorporate content and processes related to equity, technology, research, and workplace readiness skills. (**MSIP 6.1, 6.8, 7.3**) (**METSP S1**)

CSIP Goal 1: Student Performance (continued)

District will align local curriculum with NETS*S, the National Educational Technology Standards for Students (or equivalent). **(MSIP 6.1, 6.4, 6.8) (METSP S1)**

District curriculum will inspire educators to use research-based instructional strategies (such as eMINTS or equivalent) that are powered by technology and engage diverse learners in the excitement of learning through student-centered, collaborative, project-based, and inquiry-based activities, and promote research, problem-solving and communication. **(MSIP 6.1, 6.4, 6.8) (METSP S1)**

District will use technology to extend and support student learning beyond the school day and provide access to rigorous courses via alternative instructional delivery systems (such as I-TV, web-based and other including distance learning systems). **(MSIP 6.3) (METSP S1, S2)**

District curriculum will utilize technology in developing students' 21st century skills (information, communication technology, and media literacy). **(MSIP 6.3, 6.4, 6.8) (METSP S2)**

District will use technology to enable/enhance career and post-secondary planning. **(MSIP 6.3, 6.4, 6.8, 7.3) (METSP S1, S2)**

District will use technology to help deliver, monitor, and assess student learning to meet student needs (such as integrated learning systems, computer-assisted instructional software, and electronic assessment tools). **(MSIP 6.1, 6.2, 6.3, 7.1, 7.2, 7.3) (METSP S1)**

CSIP Goal 2: Highly Qualified Staff (METSP TFA: Teacher Preparation)

Example: The district might establish the goal to "recruit, train, and retain highly qualified staff to carry out district mission, goals, and objectives" with related objectives that "by 2012 all teachers will implement inquiry-based instructional strategies as measured by [X assessment], that "all teachers and students will have access to educational technology comparable to the state average," to "provide professional development opportunities for teachers and administrators do develop capacity to effectively integrate technology into teaching and learning" and/or that "staff will improve their level of proficiency in using technology as measured by [X tool]."

Technology-related strategies and/or action steps:

All teachers will [develop or implement newly developed] inquiry-based curricula and instruction, and are afforded support of, access to, and appropriate training for using technology to implement, deliver, monitor, and assess such curricula and instruction. **(MSIP 6.7) (METSP T1, T2)**

Teachers will use up-to-date technology tools and resources to support curriculum objectives; tools and resources are readily available for teacher and student use; and, training in the use of the tools and resources (such as eMINTS or equivalent) is provided. **(MSIP 6.4, 6.7, 6.8) (METSP T1, T2)**

District will promote and provide effective leadership and professional development that promotes differentiated instruction through the use of technology and makes adequate plans for sustained and beneficial growth in technology integration and educator proficiency; district will use to technology to help provide professional development (e-Learning for Educators program or equivalent). **(MSIP 6.3, 6.4, 6.7, 6.8) (METSP T1, TS1)**

CSIP Goal 2: Highly Qualified Staff (continued)

District will provide professional development for teachers and administrators that result in technology proficiency; professional development is aligned with NETS*T and NETS*A, the National Educational Technology Standards for Teachers and Administrators (or equivalent). **(MSIP 6.4, 6.7, 6.8) (METSP T1, T2)**

CSIP Goal 3: Facilities, Support, and Instructional Resources (METSP TFAs: Resource Distribution & Technical Support)

Example: The district might establish the goal to “provide appropriate instructional resources, support services, and functional and safe facilities” with related objectives to “develop a comprehensive by June 2009 that will integrate data management systems for administrative functions (such as student information, attendance, grading system, library catalog, etc.) and/or that “at least 80% of personnel and students indicate use of appropriate and safe technology tools and resources that promote personal, academic, and career needs as measured by [MSIP AQ].”

Technology-related strategies and/or action steps:

District will [use the AQ or develop an instrument] to assess the extent that personnel and students use appropriate and safe technology tools and resources to address personal, academic, and career needs, in a safe and responsible manner. **(MSIP 8.5, 8.10, 8.11) (METSP R1, TS1, A2, S1, S2, T1, T2, A2)**

District will provide equitable access to appropriate technology tools and resources that are varied and diverse and facilitate differentiated instruction (including electronic resources, assistive technologies, and technology-assisted alternative learning environments). **(MSIP 6.2, 6.3, 6.4, 6.8, and 7.1, 7.2, 7.3, 7.4, 7.5, 7.6) (METSP R1, TS1, A2, S1, T1,)**

District will establish/update technology policies and procedures related to technology hardware, software, connectivity, and technical support standards, including student and educator technology literacy standards (replacement cycle, acceptable use, Internet filtering, recovery and security systems). **(MSIP 6.4, 6.7, 6.8, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 8.1, 8.2, 8.3, 8.6, 8.7) (METSP A2, R1, TS1, S2, T2)**

District will use appropriate technology tools and resources for data collection and analyses to determine district needs and monitor progress. **(MSIP 6.2, 6.3, 6.8, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 8.7) (METSP A2)**

CSIP Goal 4: Increase Parent and Community Involvement (METSP TFA: Administration, Data Management, and Communications)

Example: The district might establish the goal to “promote, facilitate, and enhance parent, student, and community involvement” with a related objective that “by June 2009 the district will develop a comprehensive plan that integrates technology-driven communication tools for parent access to student and public information and communication tools for employee and school business (district Intranet for access to forms, applications, announcements, and such).”

Technology-related strategies and/or action steps:

District will provide opportunities for parents and community to observe and use instructional technology; will involve a broad, diverse section of the community on the CSIP (and/or technology) planning committee; and will use technology to facilitate interactive communications among district staff, parents, and community members. **(MSIP 7.5, 7.6, 8.2, 8.3, 8.8, 8.9) (METSP A1, A2)**

CSIP Goal 4: Parental and Community Involvement (continued)

District will provide parents and community members with opportunities to visit instructional rooms and view student work that makes effective use of technology; district will provide opportunities for parents and community members to use district technology tools and resources to develop new skills to meet their continuing education needs. (MSIP 7.6, 8.3, 8.8, 8.9) (METSP A2)

District will involve integrate technology into the CSIP planning process; the technology committee members will include parents and community members. (MSIP 8.3, 8.8, 8.9) (METSP A1)

District will use technology tools and resources to disseminate school news and student work and to facilitate input and feedback from parents and community members (email, website, electronic newsletter, online homework assignments, online progress reports, online surveys, automated absentee system, etc.) (MSIP 7.5, 7.6, 8.8, 8.9) (METSP A2)

CSIP Goal 5: Governance (METSP TFA: Administration, Data Management, and Communications)

Example: The district might establish the goal to “govern the district in an effective and efficient manner, providing leadership and representation to benefit staff, students, parents, and patrons” with related objectives that “the district will identify, obtain, and/or secure the resources needed to support quality educational programs and services,” that “by January 2010, the district will increase access to resources by refining the process for identifying and allocating funds for acquiring academic software to meet improvement plan goals,” and/or the district “will develop and implement new integrated data management system to improve operational efficiency of instructional programs.”

Technology-related strategies and/or action steps:

The district will implement effective and efficient administration, data management, and communication processes through the use of technology that further supports teaching and learning. (MSIP 6.2, 6.3, 6.7, 7.1, 7.2, 7.3, 8.1, 8.2, 8.6, 8.7, 8.9, 8.11) (METSP A1, A2)

District will employ/designate technology leadership position to oversee, and coordinate efforts of a representative committee that helps oversee, the district’s technology implementation, planning, and evaluation efforts. (MSIP 6.1, 6.3, 6.4, 6.7, 6.8, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 8.1, 8.2, 8.3, 8.6, 8.7) (METSP A1)

District will establish/update effective long-range strategies detailing how technology tools and resources support teaching, learning, and administrative activities and help meet the goals and objectives of the district’s comprehensive school improvement plan. (MSIP 6.1, 6.2, 6.3, 6.4, 6.7, 6.8, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 8.1, 8.2, 8.3, 8.6, 8.7) (METSP A1)

District will establish/maintain a sufficient budget to cover Total Cost of Ownership (a budget line time for technology based on a set percentage rate of the overall budget or per-pupil expenditure). (MSIP 6.4, 6.8, 8.8) (METSP A2)