






**EDUCATIONAL TECHNOLOGY DEPARTMENT
SIX-YEAR INSTRUCTIONAL PLAN
June 9, 2008**

ABSTRACT

During the next six years the Educational Technology Department will:

- Continue expansion of the Technology Teacher Leader (TTL) program and the Technology Integration Educator (TIE) program in order to transform teacher's use of technology in the classroom.
- To promote engagement and academic achievement, explore role of high access devices in the learning process and continue expansion of the 1:1 Laptop Project.
- Provide professional development for instructional leaders in the district in order to promote best practices in technology integration.
- Collaborate with curriculum departments regarding the effective implementation of technology-enhanced curriculum throughout the district.
- Collaborate with librarians to promote integration of 21st century literacy skills throughout the curriculum.
- Provide training for the Building Technology Contacts and Secondary Technology Coordinators in order to support a collaborative network that promotes a shared vision regarding the implementation of technology-related resources.
- Support the use of a wide variety of professional development tools, such as online learning and other communication resources in order to accommodate 24/7 learning opportunities and connect educators for collaboration.
- Provide technology tools that enable differentiated instruction.
- Assist with the training of the new Student Information System (SIS).
- Develop and deploy an assessment plan regarding the technology literacy competence of students in order to maximize their potential for success in the 21st century.
- Work to integrate technology competence in the hiring and evaluation process.
- Collaborate with pre-service institutions of higher education to promote integration of ISTE NETS*S and ISTE*T in pre-service coursework.
- Implement and update as necessary ASD's Technology Plan that was approved in 2008. Assist in the development of division and building-level technology plans.

Educational Technology Six-Year Instructional Plan FY07 to FY12

| Year 1 FY 2006 - 2007 | Year 2 FY 2007- 2008 | Year 3 FY 2008 - 2009 | Year 4 FY 2009 - 2010 | Year 5 FY 2010 – 2011 | Year 6 FY 2011 - 2012 |
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| <p>Goal 1:</p> <ul style="list-style-type: none"> ▪ Increase achievement of all students ▪ Reduce achievement gap | | | | | |
| <p>Students acquire 21st century skills such as problem solving, critical thinking, and accessing and analyzing information.</p> |  |  |  |  |  |
| <p>40 additional Technology Teacher Leaders (TTL) are part of the TTL4 project year. The TTL program is currently in 49% of the schools K-12 with goals of designing and implementing models of best practices for technology integration to improve student learning while serving as leaders and innovators in their building.</p> | <p>40 39 additional Technology Teacher Leaders (TTL) are part of the TTL5 project year. The TTL program is currently in 60% 69% of the schools K-12 with goals of designing and implementing models of best practices for technology integration to improve student learning while serving as leaders and innovators in their building.</p> | <p>40 35 additional Technology Teacher Leaders (TTL) are part of the TTL6 project year. The TTL program is currently in 70% 81% of the schools K-12 with goals of designing and implementing models of best practices for technology integration to improve student learning while serving as leaders and innovators in their building.</p> | <p>40 additional Technology Teacher Leaders (TTL) are part of the TTL7 project year. The TTL program is currently in 80% 90% of the schools K-12 with goals of designing and implementing models of best practices for technology integration to improve student learning while serving as leaders and innovators in their building.</p> | <p>40 additional Technology Teacher Leaders (TTL) are part of the TTL8 project year. The TTL program is currently in 90% 100% of the schools K-12 with goals of designing and implementing models of best practices for technology integration to improve student learning while serving as leaders and innovators in their building.</p> | <p>40 additional Technology Teacher Leaders (TTL) are part of the TTL9 project year. The TTL program is currently in 100% of the schools K-12 with goals of designing and implementing models of best practices for technology integration to improve student learning while serving as leaders and innovators in their building.</p> |
| <p>25 TTLs are part of the Master Technology Teacher Leader (MTTL) program. The MTTL program is designed to provide instruction to 250 teachers around the district in the use of the Intel® Teaching Thinking with Technology resources.</p> | | | | | |
| <p>10 Technology Integration Educators (TIE) are part of the TIE1 project year. The TIE program is currently providing support for teachers to implement best</p> | <p>40 8 additional Technology Integration Educators (TIE) are part of the TIE2 project year. The TIE program is currently providing support for</p> | <p>40 8 additional Technology Integration Educators (TIE) are part of the TIE3 project year. The TIE program is currently providing support for</p> | <p>10 additional Technology Integration Educators (TIE) are part of the TIE4 project year. The TIE program is currently providing support for</p> | <p>10 additional Technology Integration Educators (TIE) are part of the TIE5 project year. The TIE program is currently providing support for</p> | <p>10 additional Technology Integration Educators (TIE) are part of the TIE6 project year. The TIE program is currently providing support for teachers</p> |

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| <i>practices when using 4 prioritized technology-enhanced programs designed to increase student learning.</i> | <i>teachers to implement best practices when using a total of 6 7 prioritized technology-enhanced programs designed to increase student learning.</i> | <i>teachers to implement best practices when using a total of 8 10 prioritized technology-enhanced programs designed to increase student learning.</i> | <i>teachers to implement best practices when using a total of 40 12 prioritized technology-enhanced programs designed to increase student learning.</i> | <i>teachers to implement best practices when using a total of 42 14 prioritized technology-enhanced programs designed to increase student learning.</i> | <i>to implement best practices when using a total of 14 prioritized technology-enhanced programs designed to increase student learning.</i> |
| Develop through coordination with Middle School Education an implementation plan for the Alaska Association of School Board’s Consortium for Digital Learning (CDL) 1:1 Laptop Project at Wendler Middle School. | <i>Continued expansion of CDL 1:1 Laptop Project at Wendler Middle School.</i> | <i>Continued expansion of CDL 1:1 Laptop Project at Wendler Middle School. Implement pilot project of high access devices in secondary schools.</i> | <i>Continued expansion of CDL 1:1 Laptop Project at Wendler Middle School. Expand use of high access devices in pursuit of digital equity.</i> | → | → |
| | <i>Provide and/or coordinate professional development opportunities for instruction-related leadership roles in the district (e.g., curriculum coordinators, principals, and division leadership) regarding best practices in technology integration based on the ISTE NETS*T and ISTE NETS*A, including:</i> <ul style="list-style-type: none"> • Credit Course • Online Collaborative opportunities • Topic-specific seminars | → | → | → | → |
| Collaborate with curriculum departments and division directors to develop an implementation plan for each program that utilizes technology to increase student achievement. | <i>Continue implementation of existing plans and revise as necessary. Develop additional plans as needed.</i> | <i>Every core curriculum committee will include at least 1 EdTech Department staff member to align the GLE’s with the ISTE NETS*S to promote integration of technology into the established curriculum.</i> | <i>Work with core curriculum and library committees to develop and implement professional development opportunities regarding the integration of ISTE NETS*S with the GLE’s and the Information Literacy standards.</i> | <i>Create process for student development of digital portfolios to represent mastery of technology literacy and 21st century skills.</i> | <i>Systemic implementation of digital portfolios that represent mastery of technology literacy and 21st century skills.</i> |

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| | | | <i>Development of performance indicators and rubrics to measure student achievement of technology literacy and 21st century skills.</i> | | |
| | <i>Work with Librarians the Library Coordinator to develop a Task Force to align Information Literacy standards with the 21st Century Skills – Framework document, ISTE NETS*S and ASD Technology Framework document.</i> | <i>Present Task Force findings to curriculum committees to promote integration of skills into the established curriculum.</i> → | | | |
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| Goal 2: Supportive and Effective Learning Environment | | | | | |
| Teachers and administrators effectively integrate technology using pedagogically valid methods that are relevant for learning in the 21st century. | → | <i>Research effective assessment tool regarding teacher and administrator technology integration skills, and implement in pilot status.</i> | <i>Implement district-wide teacher and administrator assessment of technology integration skills.</i> | → | → |
| <i>Provide resources and participate in a collaborative network that supports teachers in the schools that help to implement technology resources (e.g., Secondary Technology Coordinators and Building Technology Contacts, TTLs, and TIEs).</i> | → | → | → | → | → |
| <i>Utilizing a wide variety of delivery models (face-to-face and/or online); provide professional development to administrators</i> | → | → | → | → | → |

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| <i>and teachers that are grounded in research and best practices.</i> | | | | | |
| <i>Provide technology tools that enable differentiated instruction.</i> | <u>Work towards providing adequate access to updated technology in order to support student use of tools that differentiate instruction.</u> | <u>Provide adequate access to updated technology that is no more than 5 years old in order to support student use of tools that differentiate instruction.</u> | —————→ | —————→ | —————→ |
| | <u>Establish a cohort of 15 ASD teachers to participate in UAA's e-Learning graduate certificate program.</u> | <u>Cohort members develop resources that promote best practices in online learning.</u> | —————→ | —————→ | —————→ |
| | <u>Work with TPD and Curriculum departments to evaluate appropriate online collaboration tools (Web 2.0) for support of curriculum and professional development.</u> | <u>Work with TPD and Curriculum departments to develop and implement professional development opportunities regarding the integration of online collaboration tools for support of curriculum and professional development.</u> | | | |
| | <i>Collaborate with Student Information System (SIS) Project Manager regarding training for the various stages of implementation.</i> | <i>Assist with training on the SIS according to established implementation plan.</i> | —————→ | —————→ | —————→ |
| | | | | | |
| Goal 3: Public Accountability | | | | | |
| Promote systemic transformation in the use of technology to inspire learning. | —————→ | —————→ | —————→ | —————→ | —————→ |

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| | <i>Focus Group E2T2 STAT grant participants testing of 5th & 8th grade technology literacy competency to meet NCLB requirements.</i> | <i>Pilot Group testing of 5th & 8th grade technology literacy competency to meet NCLB requirements.</i> | Systemic implementation of testing of 5th & 8th grade technology literacy competency to meet NCLB requirements. | → | → |
| | <i>Work with Human Resources department to develop a Model Proposal for the ASD certificated evaluation process that emphasizes mastery of the ISTE NETS*I.</i> | <i>Work with Human Resources department to examine and improve as needed information gained during the applicant screening process related to ISTE NETS*I.</i> | | | |
| | <i>Collaborate with local pre-service institutions of higher education to promote integration of ISTE NETS in pre-service coursework.</i> | <i>Collaborate with local pre-service institutions of higher education to promote integration of ISTE NETS*S and ISTE*T in pre-service coursework.</i> | → | → | → |
| | <i>Establish District Technology Plan Task Force to provide insight to the revision of the existing District Technology Plan that expires in 2008 and must be submitted to the Alaska DEED for adoption.</i> | <i>Promote Building-Level Technology Plans that are based on the EED adopted District Technology Plan.</i> | → | <i>Establish District Technology Plan Task Force to provide insight to the revision of the existing District Technology Plan that expires in 200811 and must be submitted to the Alaska Department of Educational and Early Development (EED) for adoption.</i> | <i>Promote Building-Level Technology Plans that are based on the EED adopted District Technology Plan.</i> |