ISTE NETS for Administrators Technology Director
Profile

1. Visionary Leadership. Technology directors inspire and lead development and implementation of a shared vision for comprehensive integration of technology to promote excellence and support transformation throughout the organization. Technology Directors:

  a. Lead the development, communication, and implementation of a shared vision for the comprehensive use of technology, initiating and sustaining technology innovations and change to support a digital-age education for all students

  b. Lead the design, development, implementation, communication, and evaluation of technology-infused strategic plans (including policies, procedures, budget and funding strategies) aligned with the shared vision

  c. Participate in advocacy networks to validate and influence policies, procedures, programs, and funding strategies to create a technology infrastructure and professional development and instructional programs necessary to support a digital-age education for all students

2. Digital-Age Learning Culture. Technology directors create, promote, and sustain a dynamic, digital-age learning culture that provides a rigorous, relevant, and engaging education for all students. Technology Directors:

  a. Assist district and school leaders to identify, evaluate, and select exemplary digital tools and resources that support learning goals, incorporate research-based instructional design principles, and are compatible with the school technology infrastructure

  b. Locate, develop, and disseminate models of face-to-face, blended, and online instruction that illustrate how technology can support standards-aligned, research-based instruction and meet the needs and preferences of digital-age learners

  c. Assist educators in identifying and implementing technology resources to support research-based differentiation and assessment practices that meet the identified needs of all students

  d. Ensure technology standards for students and computer science/ICT coursework are implemented, assessed, and supported by a scope and sequence and curriculum alignments

  e. Locate, develop, and disseminate models of local and global learning communities and support implementation through local infrastructure and policies

3. Excellence in Professional Practice.

Technology directors promote an environment of professional learning and innovation that empowers educators to enhance student learning through the infusion of contemporary technologies and digital resources. Technology Directors:

a. Design, implement, and evaluate professional learning programs (face-to-face, blended, and online) that help educators integrate technology effectively into all instructional and business practices—including assisting program directors in infusing technology into all professional learning initiatives
b. Ensure a robust information and communication infrastructure to support learning communities and assist educators in using this infrastructure for professional learning
c. Provide technologies to support effective communication and collaboration and model their use among colleagues, parents, students, and the community
d. Maintain in-depth knowledge of current educational research and emerging technologies and evaluate potential benefits and implementation requirements (purchase cost, training, human resources, installation, maintenance, compatibility)

4. Systemic Improvement.

Technology directors provide digital-age leadership and management to continually improve the organization through the effective use of information and technology resources. Technology Directors:

a. Collaborate with school personnel to lead purposeful change by identifying teacher and student learning needs and implementing technology innovations to address those needs
b. Conduct evaluations on professional development programs, technology infrastructure, and instructional technology interventions by establishing metrics, collecting and analyzing data, interpreting results, and sharing findings to improve staff performance and student learning

c. Hire, organize, supervise, evaluate, and retain highly qualified technology staff to advance and maintain the technology infrastructure and promote academic and operational goals
d. Establish partnerships to support the technology infrastructure and provide technology resources for the effective integration of technology to advance district programs and goals
e. Based on a comprehensive technology plan, Technology Directors and leverage resources to advance and sustain a robust technology infrastructure and continually evaluate its effectiveness at supporting management, operations, learning, and teaching

5. Digital Citizenship.

Technology directors model and facilitate understanding of social, ethical, and legal issues and responsibilities related to an evolving digital culture. Technology Directors:

a. Facilitate equitable access to digital tools and resources, including adaptive and assistive technologies, to support the diverse needs of all learners
b. Lead district in the collaborative development, dissemination, and evaluation of district policies and procedures designed to guide, in the least restrictive manner possible, the safe, legal, and ethical use of digital information and technology resources among all stakeholders
c. Develop and implement programs to educate all stakeholders about the safe, legal, and ethical use of information and technology resources, including district policies and procedures regarding filtering, netiquette, cyberbullying, acceptable use, and fair-use guidelines for online resources
d. Model and promote diversity, cultural understanding, and global awareness by providing and supporting digital-age communication and collaboration tools for students and faculty to engage in cross-cultural, collaborative projects addressing global issues in the context of curricular goals and objectives