



South Lewis Central School

Home of the Falcons

Technology Integration Plan

Our Goal:

"Everyone Will Graduate"



Douglas Premo, Superintendent of Schools

Scott Carpenter, Director of Information Technology

The South Lewis Central School District endeavors to provide a high-quality educational experience; ensuring students have the skills necessary for success in college and career. The learning environment infuses the skills of critical thinking and problem solving, communication, collaboration, creativity and innovation within the classically important study of literacy, numeracy, sciences, social sciences, and arts.

South Lewis Central School District Vision

South Lewis CSD is committed to modernization of the educational program where 21st century teaching practices are embedded throughout classrooms across the school district. This **Academic Retooling** includes having flexible and collaborative structures, maintaining a global-focus and fully integrating innovative practices. Additionally, capitalizing on the power of technology to learn and communicate will enhance the District's ability to ensure success for all students.

A 21st century education:

- Provides a **global focus**, preparing citizens for their role in an increasingly interconnected world,
- Engages students in their learning through the use of **innovative instructional practices**,
- Facilitates a **collaborative learning environment**, where outcomes are enhanced through teamwork and cooperative efforts, and,
- Ensures **success for all**.

Instruction in the 21st Century

South Lewis CSD recognizes the vital and primary role of teachers in providing students with the skills to enable long-term personal and professional success. The integration of technology serves as an important complement to the wide-array of instructional tools used in classrooms. Teachers work to make classrooms vibrant places of instruction, where students are engaged and content is presented in a dynamic and intellectually-engaging manner.

Technology is used to enhance the instructional program by:

- Providing access to tools to enhance pedagogy and classroom lesson-design (presentation software, data analysis)
- Actively engaging students in their learning
- Customizing instruction based on individual student needs
- Articulating the Common Core Learning Standards in well-developed, web-based curriculum maps

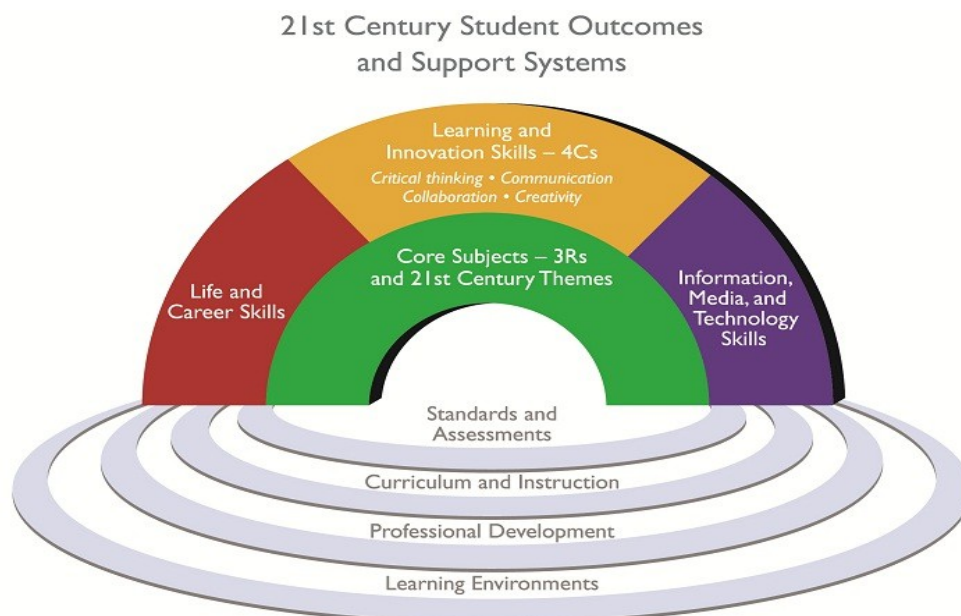
Teachers are provided with access to professional development to support their abilities to modernize the instructional program.

Learning in the 21st Century

Learning in the 21st century focuses on the needs of our students, providing for a positive, enriching, and engaging educational experience.

Technology is used to enhance student learning by:

- Stimulating intellectual curiosity and capacity
- Increasing student engagement in learning
- Facilitating problem-solving and collaboration between students
- Ensuring the educational program replicates how students seek information in their lives



Integration of Technology in the 21st Century

South Lewis CSD is committed to the full and unabashed integration of 21st century technology, capitalizing on its potential to transform and modernize the educational environment.

Integration of technology focuses on several key areas:

Infrastructure - Robust Network

Hardware - Proliferation of Devices

Digital Content and Curriculum Resources - Destination for 24/7 Learning

Professional Development - Embedded, On Demand, Just In Time

Board of Education Policy

South Lewis CSD Board of Education Policy supports the integration of technology as part of its commitment to providing a 21st century learning environment.

Student Use of Computerized Information Resource – Acceptable Use Policy	7315
Code of Conduct	7312
The Children’s Internet Protection Act: Internet Content Filtering Safety Policy	8271

Infrastructure - Robust Network

South Lewis Information Technology Department, working in collaboration with district leadership, is the focal point for the acquisition, support, maintenance, and obsolescence of technology in the district.

The South Lewis Central Schools educational network encompasses WAN/LAN & WLAN technologies. Originating from a centralized Network Operations Center (NOC) and branching out over a fiber infrastructure, the district provides a secure and stable layer three network carrying data, voice and video. In accordance with federal regulations all Internet traffic, both wired and wireless is filtered per Children's Internet Protection Act (CIPA) requirements

Through a capital improvement project the district expanded its wireless network providing comprehensive Wi-Fi coverage at all schools, including some outdoor spaces. The Middle/High School houses computer labs with internet access, Microsoft Office, and a suite of software applications specific to the instructional level of the students. Proprietary computer labs support specialized courses (BCA, CAD, etc.) that are delivered through course-specific software. Multiple mobile carts are available for classroom integration. Classroom learning environments have a networked, district computer, linked to an Interactive SmartBoard, document camera and other multimedia components. Library Media Center have desktop computers, laptops and iPads for student use.

Hardware - Proliferation of Devices

South Lewis CSD continues to seek digital technology solutions that enable staff to facilitate learning through technology and students to consume information and compose products representative of their learning. The District is committed to:

- ensuring comprehensive access to technology for students
- working toward a 1:1 learning environment
- readiness for on-line assessments (PARCC assessments)

Hardware that is both district-provided and personally-owned will be utilized.

District-Provided Hardware – Mobile devices will be integrated throughout the elementary, middle, and high school, in support of student learning and in an effort to maximize the District’s investment.

Bring your Own Device (BYOD) – Students will be invited to use personally-owned technology in school.

Digital Content and Curriculum Resources - Destination for 24/7 Learning

South Lewis CSD will continue to integrate digital content and electronic curriculum resources into the District’s collection of instructional materials, when possible.

High-quality digital content and curriculum resources are:

- interactive
- available for 24/7 use
- easily-upgraded
- customizable, based on student and teacher needs

A quality education continues to be about acquisition of content and skills in the major disciplines including English language arts, math, science, social studies, and languages other than English. The integration of digital content does not change **what** is taught, but rather provides greater options for **how** students access content and demonstrate their skills. The rapid proliferation of educational software has expanded the manner in which teachers are able to deliver information. Further, teachers are better able to track student progress and are able to design instruction that can be customized based on individual student needs.

Professional Development - Embedded, On-Demand

South Lewis CSD provides staff members with professional development opportunities year-round in support of their continued growth. Professional development is offered through the Center for Innovative Learning, where continuous improvement is central to all work. All professional development employs pedagogical methods that integrate best and research-proven teaching strategies, modern learning technologies and real world resources and contexts based on the needs of the school community.

Professional development opportunities specific to the integration of technology are offered through multiple means including workshops, after school seminars, department and faculty meetings, and one on one tutorial sessions.

2014-2017 – Technology Integration Plan Goals

The primary goal of the South Lewis CSD Technology Integration Plan is to enhance student learning. During the time frame of 2014-2017, the District will work toward ubiquitous ***Anywhere Access*** through the expansion of:

- infrastructure;
- hardware; and
- digital content and curriculum resources.

The District will provide professional development opportunities for staff to integrate technology into instruction. The District will also develop a Communication Plan to share the technology roll-out plan with stakeholders.

In support of the increased integration of hardware and digital content, the District's infrastructure will be enhanced to include:

- Secure, filtered wireless access to a District-wide network, in accordance with federal law and Board of Education policy. The District carefully filters all content accessed through the District's network. The District blocks social media sites and content considered inappropriate for minors in the educational setting.

Hardware - Proliferation of Devices

The District will expand the number of mobile devices used within schools to increase student access to digital content and curriculum resources

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District-Provided Hardware:

- Additional technologies will be infused into elementary buildings and classrooms. Teachers will have the opportunity to integrate these additional resources to supplement the four iPads to their instructional program.
- Multiple laptop carts will be added for middle and high school classrooms in support of digital content, and to integrate into the instructional program.
- Replacement of classroom and lab desktop computers, replaced through District's routine obsolescence plan

Bring Your Own Device (BYOD) - Use of Personal Technology:

- Students will be invited to bring personally-owned technology in support of their learning, to maximize their time spent on school work, and enhance their organizational skills.

Digital Content and Curriculum Resources - Destination for 24/7 Learning

- Learning Management System – Castle Learning
- Google Apps for Education
- Additional digital content and curriculum resources will be explored and added to the district owned Safari Montage Media Library

Professional Development - Embedded, On-Demand, Just In Time

South Lewis Summer Professional Development 2014 District Offerings

[Register on My Learning Plan – District Catalog](#)

Topic	My Learning Plan Description	Provider	Date
Falcon Fundamentals of Best Practices (UPK-12) (Effective instructional practices that include: Effective Teaching, Protocols, Explicit Direct Instruction, Teach Like a Champion)	Falcon Fundamentals of Best Practices 7/24/14	Martha Jones, Judy Duppert & Chris Villiere	July 24, noon to 3, MS/HS Library
Reading Writing Everywhere! (5th-12th gr SS, Sci, & Related Arts Teachers) (Selecting Appropriate Text, Creating Deep Reading Activities, Using the Protocols, Expectations for Written Tasks, Evidence-Based Claims, Review of the ELA Common Core Documents & Your Role)	Reading Writing Everywhere 8/11/14	Kristy McGrath & Chad Luther	Aug 11, noon to 3, MS/HS Library
Castle Learning Level I (UPK-12) (2 sessions offered, select 1) (Castle Learning is the on-line software our district has selected to use K-12. Castle can be used for daily assignments, quizzes, benchmarks, differentiated instruction, and provides immediate feedback for teachers. This is a full-day introduction to Castle, learning what's available, how to log in, set up classes, add students, explore data bases, etc.)	Castle Learning Level I 7/22/14	Christy Williams	July 22, 9 AM – 2:30 PM (half-hour lunch), HS Room 128
	Castle Learning Level I 8/14/14	Christy Williams	Aug 14, 9 AM – 2:30 PM (half-hour lunch), HS Room 128
Castle Learning Level II (UPK-12) (2 sessions offered, select 1) (This half-day session of Castle is for participants who attended Level I and would like further training or for teachers who are quite proficient with Castle already. A focus will be on building assessments.)	Castle Learning Level II 7/23/14	Christy Williams	July 23, 9 – 11:30 AM, HS Room 128
	Castle Learning Level II 8/25/14	Christy Williams	Aug 25, 9 – 11:30 AM, HS Room 128
Protocols (UPK-12) (If you are interested in the protocols that were handed out at a faculty meeting, but you'd like more time to learn about and practice them, this session is for you! These teaching protocols are embedded in the ELA modules, but truly they are just good activities that should be used in any and all classrooms to actively engage students, to motivate children, to keep the learning collaborative, and to check for understanding.)	Protocols 8/6/14	Kristy McGrath & Chad Luther	Aug 6, 11:30-1:00, MS/HS Library
ELA Benchmark Creation (K-2) (This session is for K-2 teachers to work on their ELA benchmarks for next year. The morning will involve whole group preparation and review of our plan, and the rest of the day will be devoted to grade levels working on their exams.)	ELA Benchmark Creation K-2 7/11/14	TBD	July 11, 8 AM – 3 PM (half-hour lunch), MS/HS Library
Math Benchmark Creation(1-2) (This session is for 1-2 teachers to work on their math benchmarks for next year. The	Math Benchmark Creation 1 st & 2 nd 7/25/14	TBD	July 25, 8 AM – 3 PM (half-hour lunch), MS/HS Library

<p>morning will involve whole group preparation and review of our plan, and the rest of the day will be devoted to grade levels working on their exams.)</p>			
<p>Computer Camp (UPK -12) Increase Engagement and Participation with Mobile Devices (2 sessions offered, select 1) (You will discover how to use tools and apps such as QR codes, Aurasma, response systems, and Google Cloud to engage students and discover some fantastic ideas on how to incorporate new media into your lessons. You will be equipped to use digital icebreakers to make learning social and to prepare our students for 21st Century success!)</p>	<p>Computer Camp Mobile Devices 7/23/14</p> <p>Computer Camp Mobile Devices 8/25/14</p>	<p>Scott Carpenter & Laurie Yager</p> <p>Scott Carpenter & Laurie Yager</p>	<p>7/23/14, 12:30-4 PM</p> <p>8/25/14, 12:30-4 PM</p> <p>*all computer camp trainings in HS Room 128</p>
<p>Computer Camp (UPK -12) Using Smart Notebook to Its Full Capacity (2 sessions offered, select 1) (Teq trainers will be providing in-depth training on Smart Notebook 11: explore and add content from the browser, use drawing and editing tools to create customized interactive pages, utilize links to create and manage efficient and engaging activities on your interactive whiteboard, inserting sound files, creating screen recordings, importing images, and much more. At the conclusion of this session you will know more about Smart Notebook's advanced tools and techniques and how to use them to create effective lessons that reach more learners.)</p>	<p>Computer Camp Smart Notebook 7/29/14</p> <p>Computer Camp Smart Notebook 8/12/14</p>	<p>Teq</p> <p>Teq</p>	<p>7/29/14, 8:30-3:00 (half-hour lunch)</p> <p>8/12/14, 8:30-3:00 (half-hour lunch)</p> <p>*all computer camp trainings in HS Room 128</p>
<p>Infusing Writing into the ELA Modules and Domains (K-5) (During this session participants will review the writing that is included in the domains/modules each year. We will then explore what writing we'd like to augment with, and what resources are available for use. Participants will work with their grade levels discussing a plan for implementing writing daily. The discussion will focus on the 5 types of writing, short and extended responses, essays, the writing process, and vertical alignment of writing expectations.)</p>	<p>Infusing Writing into the ELA Modules and Domains 7/28/14</p>	<p>Tanya Roy</p>	<p>7/28/14, 12:30-3:30 PM, MS/HS Library</p>