

## Authentically STEAMed/Engaged in Learning

Ensure access to innovative, technology-infused, student-centered learning opportunities that foster critical thinking, risk-taking, ownership, 21st century problem-solving, and global responsibility.



**LESTER C. NOECKER SCHOOL**  
ROSELAND SCHOOL DISTRICT

Timeline	Areas of Focus	Major Activities	Evidence
2017 - ongoing	<p>Resources (space, \$, technology, community, professional development)</p> <ul style="list-style-type: none"> <li>● Utilize current technology to its fullest potential.</li> <li>● Foster collaboration between school, parents, and community.</li> </ul> <p><i>Overlap Goal Service &amp; Community</i></p>	<ul style="list-style-type: none"> <li>● Assess technology availability &amp; use at home</li> <li>● Expand and integrate the Makerspace philosophy</li> <li>● Explore “flexible classrooms”</li> <li>● Identify in-school visionaries/ “Steam Team”</li> <li>● Addition of Technology Specialist Teacher</li> <li>● Identify opportunities to support primary grade levels use of technology</li> <li>● Addition of Grade 4 Chromebooks</li> <li>● Update technology and related resources, as needed</li> <li>● Continue to evaluate current &amp; future needs</li> <li>● Professional development for staff</li> <li>● Budget for future</li> <li>● Assess effectiveness of technology-based instructional tools &amp; programs</li> <li>● Explore creation of an integrated STEAM Lab</li> <li>● Explore how the media center is utilized; research opportunities to expand STEAM concepts</li> <li>● Remain cognizant &amp; reflective of scheduling &amp; its impact on supporting problem-based learning</li> <li>● Expand upon Google Classroom use</li> </ul>	<p>Agendas/Minutes Observation Communication Community Feedback Evidence of Initiatives Curricular Updates Scheduled Events</p>

		<ul style="list-style-type: none"> <li>● Tap the greater community for resources, support, funding, and/or grants</li> <li>● Inclusion of integrated technology into all curricula</li> <li>● (see <i>Curriculum &amp; Instruction Goal</i>)</li> </ul>	
2017 - ongoing	<p>Digital Citizenship</p> <ul style="list-style-type: none"> <li>● Create an interdisciplinary approach to promote global, digital citizenship.</li> <li>● Build understanding of social media and Internet use (security, digital footprints, cyberbullying, information literacy)</li> </ul> <p><i>Overlap Goals Curriculum &amp; Instruction; Character Development</i></p>	<ul style="list-style-type: none"> <li>● Research &amp; offer workshops for students, parents, teachers</li> <li>● Explore Digital Citizenship curriculum to support our students (<a href="#">Common Sense Media</a>, <a href="#">learning.com</a>, <a href="#">netsmartz.org</a>)</li> <li>● Adopt a Digital Citizenship curriculum</li> <li>● Keep Acceptable Use Policy (AUP) current &amp; relevant</li> <li>● Connect Digital Citizenship expectations to Character Development (see <i>Character Development Goal</i>)</li> <li>● Inclusion of technology responsibility into all curricula (see <i>Curriculum &amp; Instruction Goal</i>)</li> </ul>	<p>Observation Communication Community Feedback Evidence of Initiatives Curricular Updates Scheduled Events Evidence of Programming Professional Development</p>
2017 - ongoing	<p>Opportunity (scheduling, space, time, planning)</p> <ul style="list-style-type: none"> <li>● Develop planning skills that incorporate critical thinking, problem-solving, and risk-taking</li> <li>● Increase student-driven initiatives as well as student-centered projects and activities.</li> </ul>	<ul style="list-style-type: none"> <li>● Explore <a href="#">Future Ready Schools</a> Resources &amp; Certification (committee)</li> <li>● Expand upon Google Classroom use</li> <li>● Expand and integrate the Makerspace philosophy</li> <li>● Explore “flexible classrooms” and “Anytime, Anywhere” technology use &amp; access</li> <li>● Research specific technology use to support differentiation and ensure access for all</li> <li>● Explore student opportunity and choice for technology exploration (coding, app development, publishing, etc.)</li> <li>● Consider “enrichment” period scheduling / expansion of independent study</li> <li>● Invite community in to showcase student use of technology (makersfaire, workshops, etc.)</li> <li>● Inclusion of integrated technology into all curricula (see <i>Curriculum &amp; Instruction Goal</i>)</li> </ul>	<p>Agendas/Minutes Applications Communication Committee Outcomes Scheduled Events Curricular Updates Evidence of Programming Communication Professional Development</p>

2017 - ongoing	<p>Philosophical Shift</p> <ul style="list-style-type: none"> <li>• Increase participation in project-based learning with real-world application.</li> </ul> <p><i>Overlap Goal Curriculum &amp; Instruction</i></p>	<ul style="list-style-type: none"> <li>• Deepen understanding of how technology supports differentiation</li> <li>• Embody student voice, student choice</li> <li>• Increase ownership, opportunity, &amp; independence</li> <li>• Explore enhances to student safety and security (Go Guardian, AUP, Google Classroom, Cybersafety &amp; responsibility)</li> <li>• Inclusion of integrated technology into all curricula (see <i>Curriculum &amp; Instruction Goal</i>)</li> </ul>	<p>Observation  Professional Development  Community Feedback  Curricular Updates  Scheduled Events  Evidence of Programming</p>