

Peterborough, Victoria, Northumberland and Clarington Catholic District School Board: 2015 - 2016

Project Title	Leveraging Technology to Support Learning and Leadership
Description	<p>Our board has invested our focus on New Pedagogies for Deep Learning and 21st Century Library. A major component to this project is to recognize the new learning partnership that arises between and among students and teachers when digital tools and resources become pervasive.</p> <p>Through this project we are improving our capacity among Principals, Teachers and students for using technology to capture Critical Deep Learning. We have allowed for 6 days for Principals and Teachers to share best practices and ideas as to the successes of using New Pedagogies for Deep Learning. Our Board is determined to create a more teacher-student learning partnership and real world, authentic learning tasks enabled by technology. Alongside this focus we believe that providing professional learning about assessment practices that reflect deep learning pedagogy are at the route of our Initiative. Our 21st Century Library is intended to position the school librarian as a technology enabled learning coach to students and teachers. We work with the librarians six times throughout the year on technology enabled learning, focusing on the devices we have provided for each school, iPads and netbooks. We are also working with our IT staff to position them to transition from a repair role to more of a coaching role, this transition will become even more important as we migrate our teaching technology to a Windows 10 platform.</p>
Context	<p><i>Number of students: 702</i></p> <p><i>Number of teachers: 27</i></p> <p><i>Number of schools: 8</i></p> <p><i>Grades/Program: JK-12</i></p>
Impact on Students	<p>We have used a two-pronged approach, New Pedagogies for Deep Learning and 21st Century Library. We have transformed all our libraries into a 21st Century Learning Commons with equipment for loan and extensive training for the board’s librarians.</p> <p>On average our Grade 3 and 6 students engaged in NPDL outperformed the rest of their peers on EQAO by 8.7%. The biggest improvement was on Grade 3 Reading, where 89.3% of the NPDL cohort achieved level 3 or 4 where only 69.5% of the remaining students achieved Level 3 or 4. With the exception of Grade 6 Reading, the NPDL cohort outperformed the control on each EQAO test in 2014-2015 school year.</p>
Impact on Instruction	<p>The use of technology-embedded instruction has become a standard practice with the teachers involved with NPDL. They have had many opportunities to share best practices and then take what they’ve seen from other teachers and</p>

	<p>administrators and bring it back into their classroom. The idea that teacher-student learning can be as impactful for learning is very prevalent. The immediate feedback and continual learning with teacher and student is very obvious. Community engagement as part of NPDL has also increased which has been beneficial for students in building citizenship but also build excellent relationships within our communities. 21st Century Library is helping to transform teacher practice by making available technology tools for their classroom. We have data from a number of our elementary schools and know from that data that on average the library technology spends half its time in classrooms within our schools, signed out by teachers for specific activities.</p>
<p>Impact on System</p>	<p>This year marked the first that we have fully deployed and transformed our libraries and we look forward to refreshing the equipment we purchased for our first phase in 2012. The equipment in our libraries is solely dependent on the TLF money, we will not be able to continue with refreshing the 21st Century Library equipment without it.</p> <p>The 6 C's and framework of NPDL has been a significant driver in improving pedagogy and technology integration, so much so that next year we are planning to employ NPDL at all of our schools so that next year we will be "fully deployed" in both NPDL and 21C Library. We expect that some of the learning we had this year in moving all our librarians to a 21C Library will be leveraged in moving some of our schools into the NPDL model. We also had the opportunity to send some of our system leaders to NPDL network events where they engaged in learning with other networks from around the world and are now able to bring this learning back for the new school year as we scale up.</p>