

Catholic District School Board of Eastern Ontario: 2014 - 2015

Project Title	Technology Integrated Learning
Description	<p>Grade 4 5 (Core and Immersion) Science Teachers took part in a professional learning day titled "Using Technology for Science." This session showcased how technology can be used in the classroom to promote inquiry, in addition to many of the available technology tools and resources available for Science teachers. A total of 31 teachers participated in this professional learning day.</p> <p>Teachers who attended the session received technology (Surface 3 and a wireless projector) to leverage in their classroom. Most of our day was focused around building capacity in the following areas:</p> <ul style="list-style-type: none"> • Blended Learning Model: One of our goals was to deepen each teacher's understanding of the Blended Learning model and how it can support flexible pacing, differentiated instruction, and anywhere, anytime, anyplace learning. • Safe and Secure Online Learning Environment: Providing teachers and students with a safe and secure virtual learning environment is a continued priority for the Board. Teachers were introduced to "BrightSpace" as an online learning environment. Building capacity and awareness around the effective use of the available pedagogical tools in "BrightSpace" has allowed teachers to move toward a 21st Century teaching and learning model that aligns with MFIPPA. • Getting Started with Office 365: Office 365 opens the door to new learning opportunities and teaching strategies that fundamentally change the way we educate. During our Professional Learning day, teachers were introduced and had the opportunity to learn simple entry point strategies to try with their students moving forward. <p>We have created a VLE in BrightSpace for the Grade 4/5 Science and Technology Group to share best practices, engage in meaningful discussions around ICT integration and access professional Development that aligns with our TLF Innovation Research Theory of Action.</p>
Context	<p><i>Number of students:</i> 0</p> <p><i>Number of teachers:</i> 31</p> <p><i>Number of schools:</i> 18</p> <p><i>Grades/Program:</i> Grade 4/5 Science and Technology Teachers</p>
Impact on Students	<ul style="list-style-type: none"> • The Blended Learning model and the use of Office 365 and BrightSpace has increased student engagement and their ability to be creative and innovative, to critically think, to communicate and to collaborate. • Enriched lessons: Educators have used Office 365 and the Ministry provided content from eLearning Ontario to create new learning opportunities that were previously inconceivable for our students. • The use of Office 365 and BrightSpace has allowed our learners to showcase their

	<p>learning in many ways using a variety of online platforms and tools</p> <ul style="list-style-type: none"> • CDSBEO Office 365's home in the cloud has allowed our students to learn anywhere. Files and programs are accessible anywhere, on any computer or any device. Students can easily access their assignments from home using the same tools.
Impact on Instruction	<p>The effective use of technology has required a shift in pedagogical approaches. The Blended and Flipped classroom models have allowed teachers to explore and implement deeper and more meaningful integration of computers technology in their classroom</p> <p>This year, we built capacity and awareness around the use of "BrightSpace" allowing our teachers to move toward a 21st Century teaching and learning model that aligns perfectly with MFIPPA.</p> <p>Through the combination of Office365 and BrightSpace, we have leveraged our board assessment and evaluation process. The tools have allowed for a mark book that meets our Board and Ministry policy of evaluating most consistent and recent student work. The Turnitin feature provided our students with an easy way to ensure that they are properly citing their sources and that their work is original. Educators have the ability to assess, report on and improve student performance with built-in analytics tools that use data to help educators make more proactive decisions.</p> <p>Teachers are more focused on student voice because of their ability to capture student thinking which is helping them learn more about each individual student using programs such as Microsoft OneNote.</p>
Impact on System	<p>Our actions system-wide will be guided by "Lean Six Sigma" & Prosci's ADKAR:</p> <p>Define: Build awareness of the desired transformation Measure: Create desire to transform among those affected Analyze: Train knowledge for the transformation Improve: Ensure ability and conditions exist to change Control: Reinforcement of the change</p> <p>Building awareness and capacity around "BrightSpace" and Office 365 at the Administration and School Improvement levels have been another focus for our Board this year. The use of a virtual learning environment is transforming the manner and approach on how we deliver professional development.</p> <p>"PD in 20" is a new way for teachers to engage in building capacity around the integration of computer technology in the classroom. The e-learning contact hosts an online webinar once per month focused around a specific tool or strategy that relates to blended learning, Office 365 and "BrightSpace". Yammer groups in Office 365 are being used to create collaborative learning communities where administrators and teachers can continue the learning journey after on site professional development.</p> <p>Curriculum consultants are using "BrightSpace" to host online professional development and resources related to their field of expertise. These online resources allow for easy sharing of resources and a professional development system-wide in a cost-effective manner.</p>

NOTE: Information in the summary is taken directly from the data contained in the final project report.