

## Toronto Catholic District School Board: 2014 - 2015

<b>Project Title</b>	<b>iPad Integration in the Math Classroom</b>
<b>Description</b>	<p>The “iPad Integration in the Math Classroom” initiative was the result of collaboration between the TCDSB Math and 21st Century Learning Departments, who planned and delivered 12 2-day sessions to TCDSB grade 6 teachers from all areas. This year, this initiative started with its first session on March 9, 2015 ending with its last session on May 4, 2015. Through this project, we encouraged grade 6 teachers to explore the use of the iPad to engage and support students in the learning of Mathematics.</p> <p>An in-class follow up session was also offered to all teachers, who wanted to plan and implement a Math lesson incorporating iPads. Resource teachers spent the day co-planning and supporting classroom teachers as they implemented the lesson.</p>
<b>Context</b>	<p><i>Number of students:</i> 125 (in follow-up classroom visits / 4500 total)</p> <p><i>Number of teachers:</i> 180 (attending workshops)</p> <p><i>Number of schools:</i> 4 (visited schools for follow-up sessions / 168 total)</p> <p><i>Grades/Program:</i> Grade 6 Teachers / Students in Math</p>
<b>Impact on Students</b>	<p>In the follow-up session it was evident that the students were very comfortable using the iPads. They were able to use the apps and iPad features to solve problems and document their thinking. They worked with partners, demonstrating that initiative encouraged collaboration with their peers. Using the Apple TV and the iPad to share solutions with each other and with the teacher helped students to see a variety of different ways to solve problems. As the teacher used the technology to project student work during consolidation, it made student learning visible for everyone. Subsequently, it helped students to be engaged and involved in the co-construction of learning goals and success criteria.</p>
<b>Impact on Instruction</b>	<p>For teachers who were fully comfortable with the iPads, it was easier for them to highlight and discuss the different solutions and ways to solve the same problem. This helped to shorten the consolidation part of the 3-Part Lesson. On the other hand, teachers who were new to iPads took twice as long to consolidate the learning during the lesson. Regardless of the amount of time, they were still successful in using the technology to engage students in mathematics.</p>
<b>Impact on System</b>	<p>The TCDSB has a 5 year plan for 21st Century Learning based on our NeXt Lesson Framework.</p> <p>The NeXt Lesson outlines 6 essential 21st Century Learning Competencies that students need to succeed. The framework of the NeXt lesson has been central to the professional development workshops delivered by TCDSB21C and the collaborative work we have done with all of our other curricular departments. This project, like all other TCDSB21C initiatives, had at its focus the NeXt Lesson, in particular competency of the Use of ICT For Learning. Teachers involved were exposed to the NeXt Lesson, in support of our 5 year plan.</p>

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