

Moose Factory Island District School Area Board: 2015 - 2016

Project Title	Ministik School Integrates iPads in to Health and Physical Education/ Mathematics and Numeracy
Description	<p>The purpose of this project is to increase engagement, participation and academic achievement in Mathematics/ Numeracy and also continue to integrate technology into Health and Physical Education. Lessons will be delivered by paper and pencil to determine the baseline data. After reviewing the baseline data, the project lead and the research team will devise an action plan best suited for their students. Technology will be integrated into math lessons and activities. Students will have the opportunity to use iPads to complete lessons, case studies, and questions in a way that is engaging and new to them. The focus will be on students in primary/junior and intermediate divisions. We are hoping to see student engagement/participation and student success improve with the use of technology based lessons and activities in Math and Health and Physical Education.</p>
Context	<p><i>Number of students: 300</i> <i>Number of teachers: 4</i> <i>Number of schools: 1</i> <i>Grades/Program: JK-8</i></p>
Impact on Students	<p>This initiative has positively impacted students’ engagement. More students are able to use iPads regularly during the week. Students are becoming more familiar with routines and understand expectations. Students like to use the iPads because it is something familiar to them.</p> <p>In Physical Education class more assignments are being completed and submitted compared to assignments only using paper and pencil. Students are able to research sport and rules quickly.</p> <p>Mathematics participation has increased when using iPads. Every student can work independently using the iPads. The IXL app allows for differentiation, each student can work at their own pace and appropriate grade level. When teachers used paper and pencil math problems students would work independently for less time than when using the iPads.</p> <p>Students enjoy typing on the iPads and are staying engaged. Time on task has increased throughout the school year and students are getting more accomplished in less time.</p>
Impact on Instruction	<p>Health and Physical Education has implemented the use of iPads and specifically chosen iPad applications, during individual and/or small group instruction, consolidation, and assessment portions of lessons.</p> <p>Teachers from each division have integrated IXL math lessons into their regular</p>

	<p>math routines. IXL is an online-based application where students develop and practice math strategies and problem solving skills.</p> <p>Teachers have had opportunities to use their smart boards to deliver lessons and content. Teachers that are not very familiar with the iPads are starting to use them more and learn more about them. The CODE project is keeping teachers current and the students are interested in using the technology. It is encouraging teacher to collaborate together and teachers are sharing strategies and ideas with each other. Teachers have asked for additional technology based Professional Development sessions to help them learn new ways to use the devices.</p>
<p>Impact on System</p>	<p>This initiative has changed the way we have organized our school. iPad carts are available for teachers to sign out at different locations throughout the school. Lessons can be mobile and travel throughout the school with access to Wi-Fi. Classes are able to take iPads in the school yard, look at different ecosystems and take pictures and videos and upload the instantly to their classroom file folder. These opportunities were not possible in the past.</p> <p>Students are able to get instant visual and descriptive feedback in Health and Physical Education and in Math electronically. This is helping teachers and students stay organized and uses a lot less paper.</p>