

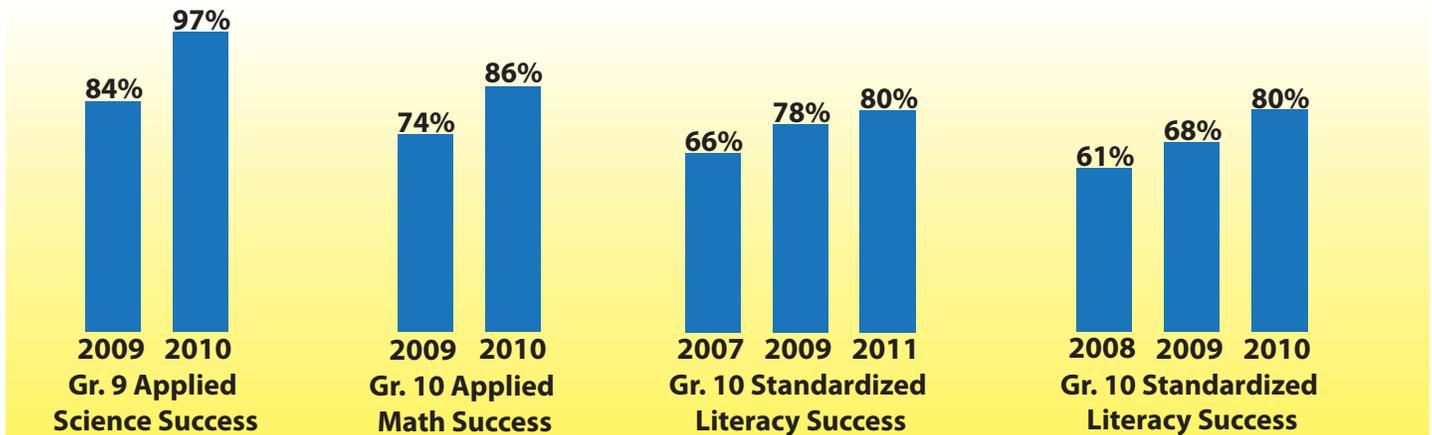


Malton Technology Initiative

MTi - Using Technology to Improve Learning in Science and Math

Abstract - HP technology has been used to transform teaching and learning in Malton, a suburb of Toronto. Significant improvements in math, science, literacy, attendance and graduation rates have been observed. Since 2009, we have been using HP Technology from the HP Innovations in Education and the HP EdTech Grants to transform teaching and learning in the community of Malton, a disadvantaged suburb of Toronto, Ontario, Canada. The technology provided by the Grants (HP Tablet PC's, HP Mini-Notes) were matched by our District to purchase whiteboards (SMART©) and were used by math and science teachers at Ascension of Our Lord Secondary School and by grade 8 teachers in the two feeder schools. The project was entitled the Malton Technology Initiative (MTi).

The results to date have been impressive, especially among the cohort that has traditionally had less success in math and science (the "Applied Level" students). The results are summarized here, and our "story" can be view at <http://www.youtube.com/watch?v=9hwM3IGHUd8>.



It has been concluded that the addition of the HP technology has contributed to a "perfect storm" of school improvements at Ascension. This has included improved pedagogy and learning in Math and Science, and has extended to other departments as they become involved in the Malton Technology Initiative. Improved student motivation is palpable, especially as they work with Project- Based learning activities, digital storytelling, and blogging in science and by using a three-part lesson plan in Math.

Student success at Ascension is at an all-time high – we can only imagine what the future holds for our students and teachers as we continue our journey with the Malton Technology Initiative!

Links:

Our work with ISTE over the past two years: <http://dpcdsb-mti.wikispaces.com/>

Science links: Grade 10 Body Systems Unit: <http://www.dpcdsb.org/ASCEN/Departments/SNC2D1.htm>

Project Based Learning (Planarian Project): <http://www.dpcdsb.org/ASCEN/Departments/SNC2D1.htm>

Grade 10 Digital Stories: <http://dpcdsb-mti.wikispaces.com/ISTE+2011>

Grade 12 Digital Stories: <http://dpcdsb-mti.wikispaces.com/ISTE+2011>

Physics Blog Spaces: <http://www.ascensionphysics.webs.com/> , <http://ascensionphysics.ning.com/>

Math Links: <http://dpcdsb-mti.wikispaces.com/ISTE+2011>