

Numeracy Goals:

By June 2014, we will increase the number of students achieving levels three or four in Mathematics by five percent on the Primary EQAO Assessment to achieve 87%. We would like to break our current plateau of the low 80s. We will have five percent more students scoring level four on the EQAO assessment.

Numeracy Responses

Our report card data indicates that our students generally perform in the B average for all five strands. Our EQAO scores indicate that our grade three students function in the low to mid 80s. In order to break our plateau, our students need to learn to think more critically and then show that learning. We are committed to having every class implement the three part math problem solving lessons consistently.

Through analysis of our data it has become apparent that our students struggle with the reflecting and connecting component of problem solving. They need to develop the ability to reflect on the appropriateness of their answers. We, will commit to refining the debrief section of our three part math lesson. We will work to apply accountable talk questions and math vocabulary. These practices will allow our students the flexibility to manipulate concepts in order to apply their learning to new contexts. We will develop grade level continuums.

Numeracy Strategies:

- *Continue to use the three part math lesson in real and authentic ways, planning in grade level groups
- *Delve deeper into the math processes
- *Put a school wide emphases on using accountable talk to develop each student's ability to express his/ her thinking orally and then in a written format
- *Each grade team is committing to applying one of Lucy West's talk moves to their math programme consistently
- *Every child at James Bolton will be aware that we are working on making our learning visible
- *Do some co-learning and co-teaching to improve our own efficacy in the third part of the three part math lesson
- *Strive for open-ended, rich tasks which allows for each child to enter and progress at his/her own rate
- *Explicitly teach and develop a math vocabulary
- *Co-construct the criteria for high level math answers