

Numeracy Update May 2017

OUR SELF-EVALUATION REPORT AND IMPROVEMENT PLAN- Numeracy 2016-17

In the last year, we have looked at teaching and learning in our school to find out what we are doing well. This is what we discovered:

The four way split in Senior Cycle Mathematics classes has created smaller classes and provided more one-to-one time for teachers during lessons to help students. This has enhanced teaching and learning in the classroom.

Students are collaborating and peer learning through the use of Instructional Leadership activities such as Placemat and Think-Pair-Share. Students are sharing their mathematical skills and helping each other to progress and learn.

Students are gaining mathematical knowledge and numeracy skills in classes other than maths by taking on the task of calculating their own grades on tests and/or writing up the date on the board and in their copies each day. This has been supported and facilitated by many teachers in the school.

This is what we did to find out what we were doing well, and what we could do better:

As a department, we discussed what was working well in our classes and how we could further improve. We shared resources and learning with each other.

This is what we are now going to work on:

We intend to infiltrate the school corridors and common areas with mathematical information. We aim to create links between real life objects/concepts and maths.

We want to ensure maths classrooms are print rich environments and we want to expand this to all areas of the school.

We will continue to encourage students to draw diagrams to aid problem solving. We will applaud logical thinking and continue competing in Maths Competitions. We will further utilise George Poyla's problem solving resources.

We aim to purchase a Date/Time/Temperature clock for the Mall and also have exterior clocks installed on the school grounds.

We will encourage all teachers to allow their students to calculate their own grades and practise writing the date in their copies.

This is what you can do to help:

Engage in real life mathematical conversations in the home or in the car etc. For example,

How many days are in a year?

What is the price of diesel per litre?

What are the different types of tax adults pay?

Which deal is better value in the supermarket?

How many kg is 500g of flour?

How much sugar is in a bar of chocolate or a soft drink?

Encourage students to visit websites such as <https://www.khanacademy.org/> , www.geogebra.com , and/or <http://www.cemc.uwaterloo.ca/resources/real-world.html> to practice mathematical skills. Suggest mathematical puzzles such as Sudoku.

Attend the maths classes for parents provided by Coláiste Na Sceilge in order to assist with your student's homework.