

School Improvement Plan for Numeracy 2015-2016

Summary of main strengths

- A large proportion of students report liking maths
- Both students and parents acknowledge the importance of maths in everyday life.
- There is clear evidence that the teaching staff in general have a positive attitude towards maths
- Over half of parents reported that they speak about maths with their child and are aware of what their child is working on in maths.
- Nearly two thirds of parents would be willing to attend maths class if it was offered

Summary of main areas requiring improvement

- From the analysis of the 1st year competency tests, it was agreed that fractional computation and arithmetic problem solving would be our SSE focus.
- Formalise use of numerical terms
- Draw up a numeracy poster to be displayed in all classes, this would include strategies to help students problem solve.
- More teacher uptake in participation in numeracy initiatives
- Numeracy copy to be used by all First Years
- Numeracy tip of the week to be covered by tutors in Treoir.
- Segment of a staff day to be organised looking at strategies to incorporate numeracy into other subjects.

Improvement Targets	Required Actions	Person/s responsible	Measurable outcomes/ Success Criteria	Timeframe for action	Review date
Teachers are aware of the numerical ability of students	Copies of the competency tests for each 1st year tutor group will be distributed to all teachers.	School Planning Numeracy Sub-Committee	Teachers use this information to get a fuller picture of their students numeric abilities.	As soon as results are distributed.	Annual Review
Increase in student ability in fractional computation .	Students will calculate their own percentages. Focused lessons once a week during Treoir.	Whole staff	An improvement in <i>fractional computation</i> from 45% to 60% by the end of 1st year.	January- May	End of May
Increase in student ability in arithmetic problem solving	Students will calculate their own percentages. Focused lessons once a week during Treoir.	Whole staff	An improvement in <i>arithmetic problem solving</i> from 15% to 45% by the end of 1st year.	January- May	End of May
Formalise use of numerical terms across all subject areas	Poster to be designed and displayed in all classes	School Planning Numeracy Sub-Committee	Students develop an appreciation that numeric words can be used across all subjects.	As soon as posters are developed.	Annual Review

Improvement Targets	Required Actions	Person/s responsible	Measurable outcomes/ Success Criteria	Timeframe for action	Review date
Teachers are aware of the numerical ability of students.	Copies of the results of the competency tests for each 1st & 2 nd year tutor group will be distributed to all teachers.	School Planning Numeracy Sub-Committee	Teachers use this information to get a fuller picture of their student's numeric abilities.	As soon as results are distributed.	Annual Review
Increase in student ability in fractional computation.	<ul style="list-style-type: none"> Students will calculate their own percentages when tests are handed back to them. Focused & common approaches to teaching fractions in all maths classes including involvement in Lesson Study with the PMDT 	Whole staff Maths Teachers	An improvement in <i>fractional computation</i> from 45% to 60% by the end of 1st year.	January- May	End of May
Broaden student's appreciation of the topic of fractions.	Incorporate fractions (use of fractions) into at least 1 lesson before the next round of testing. (Christmas)	All Subject Departments	Students develop an appreciation that fractions can be used across a wide range of topics.	September - Christmas	End of May
Formalise use of numerical terms across all subject areas.	Poster to be designed and displayed in all classes	School Planning Numeracy Sub-Committee	Students develop an appreciation that numeric words can be used across all subjects.	Completed	Annual Review