



Coláiste Dún an Rí

Kingscourt, Co.Cavan

Principal: Fergal Boyle

Deputy Principal: Tara Mullan

Tel: 042 969 8294

Email: info@colaistedunanri.ie

Web: www.colaistedunanri.ie

Self-Evaluation Report and Improvement Plan - Numeracy

1. Introduction

As a new school Coláiste Dún an Rí, established in 2016, has engaged in the SSE process and this Report and School Improvement Plan is part of our initial reporting phase. This is a revised plan based on the needs of our school in a post COVID era. We will build on what we had set out do prior to COVID and have amended some of our targets to suit the nature of our school and students as it grows into a larger school community from our initial development phase. This is a working document and will be edited and updated as needs be.

The Numeracy Core Team is as follows:

Numeracy Coordinator	Shauna North
Maths Department Coordinator	Niall Duffy
Maths Teachers/Humanities	Niall Duffy, Laura Doonan, Megan Langford
Practical Subjects	Dean Gallagher
Science	Linda Kelly

1.2 The focus of this evaluation

We undertook self-evaluation of teaching and learning during the period November 2022 to March 2023. We evaluated the following aspect(s) of teaching and learning:

- Numeracy

1.3 – Review

Our Core Team met in September 2022 and after an advisory meeting with the Inspectorate we reviewed our SIP on Numeracy. Given the nature of the past few years staff felt that some of the previous targets needed to be amended. Our original targets were as follows:

- Student competency in using fractions and turning them into a percentage

- Student ability to read and use information and draw graphs
- Maintain the number of students sitting Higher Level Maths at Junior Cycle

Whilst we had some data gathered on these COVID had seen much of this put to one side as staff dealt with a myriad of other issues.

Our core team also highlighted that the original target 3 was not a whole school matter for SSE and decided our focus should be elsewhere.

Through observation and student interactions it was noted that students had difficulty reading an analogue clock and this sparked thought around an area we could work on from a whole school point of view.

2. Findings

2.1 This is effective / very effective practice in our school

- There is an awareness of the importance of numeracy amongst our staff and staff agree that they have a role to play in developing numeracy skills across all departments
- Teachers link teaching and learning to real-life, practical situations
- Student computation skills are very strong across the First Year cohort (2018-19)
- Students like engaging in numeracy and enjoy problem solving
- Students are confident at Integers, Measure and Geometry
- 59% of the Third Year cohort are taking Maths at Higher Level
- A culture of cross curricular activities is developing in the school
- The SEN Department collaborates with all other departments to ensure a whole school approach to supporting SEN students

2.2. This is how we know

Initial data was gathered in autumn 2018.

Data was gathered again in Winter 2022 in the following ways:

- Student entrance test scores via the CAT assessments
- A student survey – all first and second year students were surveyed
- A staff survey – all staff were surveyed
- Student tests administered as part of the Christmas Test in December 2018 (will be repeated in June 2023)
- School based data

2.3 This is what we are going to focus on to improve our practice further

The Numeracy Core Group has focused on the following areas for improvement

- Student competency in telling the time
- Student competency in using fractions and turning them into a percentage
- Student ability to read and use information and draw graphs

3. Our improvement plan

On the next page we have recorded:

- The **targets** for improvement we have set
- The **actions** we will implement to achieve these
- **Who is responsible** for implementing, monitoring and reviewing our improvement plan
- How we will measure **progress** and check **outcomes** (criteria for success)

As we implement our improvement plan we will record:

- The **progress** made, and **adjustments** made, and **when**
- **Achievement of targets** (original and modified), and **when**

Our Improvement Plan

Timeframe of this improvement plan is from 2022-2025

Targets	Actions	Persons / groups responsible	Criteria for success	Progress and adjustments	Targets achieved
<p>Target 1: To improve student competence in telling the time</p>	<p>Target 1</p> <ul style="list-style-type: none"> • Clocks will be displayed in each classroom. • Digital clock will be displayed in the canteen. • Students will write the time in 24-hour clock in their journal when they need to go to the bathroom. • Maths Week activities focusing on the target. 	<p>Target 1</p> <ul style="list-style-type: none"> • Whole school approach • Positive behavioural group are ensuring clocks are displayed in each classroom. 	<p>Target 1 What does success look like?</p> <ul style="list-style-type: none"> • Students are confident and competent when telling the time/ <p>To measure success we will:</p> <ul style="list-style-type: none"> • Test students early 2023. • Repeat the test in April. • Audit the implementation of agreed actions. • Link with PDST (Professional Development Service for Teachers) to get advice on best practice 	<p>Target 1</p> <ul style="list-style-type: none"> • Clocks have been ordered and displayed around the school 	<p>Target 1</p>

<p>Target 2</p> <p>To improve students' ability to read and use information and draw graphs</p>	<p>Target 2</p> <ul style="list-style-type: none"> • Students to use graph notes in the student journal • Students to plot their results in graph paper at the back of the journal for results throughout the year • Common approaches to plotting graphs in all classes. The core team will meet with all departments to discuss approaches to plotting graphs during our next subject department meeting. • The rules for plotting graphs will be displayed in classrooms- A2 Poster to be created for all classrooms. • Maths week activities focusing on the target 	<p>Target 2</p> <ul style="list-style-type: none"> • Whole school approach to archiving results on graphs • Maths, Science and Geography Departments to work together to develop a common approach to plotting and teaching graphs. A common approach will be outlined in the Journal. • Core team responsible for posters in liaison with subject co-ordinators. • Maths and Science teachers responsible for retesting students 	<p>Target 2</p> <p>To measure success we will:</p> <ul style="list-style-type: none"> • Retest students in Dec 2022 • Repeat the test in May 2023 • Repeat the student survey • Repeat the teacher survey • Audit the implementation of agreed actions. • Link with PDST (Professional Development Service for Teachers) to get advice on best practice 	<p>Target 2</p>	
--	---	--	--	-----------------	--

<p>Target 3 To improve student ability in turning a fraction into a percentage</p>	<p>Target 3</p> <ul style="list-style-type: none"> • Posters explaining how to change a fraction into a percentage will be displayed in each classroom – A2 • In all classes, teachers will return test as a fraction and ask students to work out the percentage using a common approach. • Maths Week activities focusing on the target. 	<p>Target 3</p> <ul style="list-style-type: none"> • Whole school approach • Shauna is responsible for posters • Linda is responsible for completing questions on forms that can be used to test students • Numeracy team responsible for retesting students • All teachers need to give their tests back in fractions • Section to be added into the teaching and learning assessment feedback sheet to allow students to write student's result as a fraction • IT teachers to allow 1st and 2nd years to complete form 	<p>Target 3 To measure success we will:</p> <ul style="list-style-type: none"> • Test 1st and 2nd year students in Jan 2023 • Repeat the test in May 2023 • Link with PDST (Professional Development Service for Teachers) to get advice on best practice 	<p>Target 3</p>	
---	--	---	---	------------------------	--