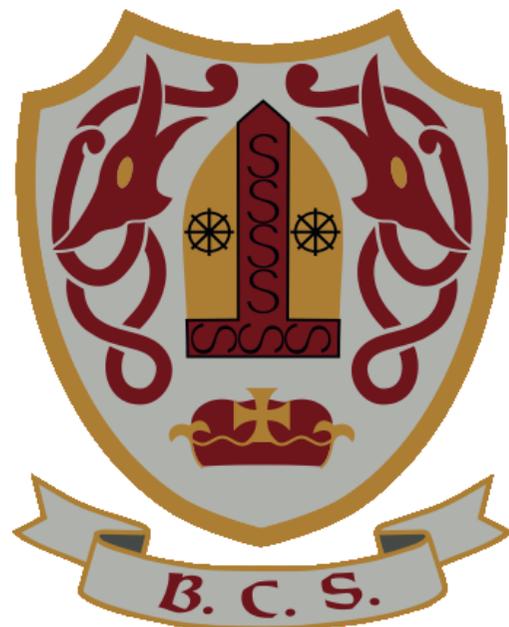


**DEIS Planning:  
Plan to improve Numeracy Levels**

2012-2016



**BISHOPSTOWN COMMUNITY  
SCHOOL**

## DEIS Planning: Plan to improve Numeracy Levels

2012-2016

### Summary Plan to improve NUMERACY LEVELS

**Target(s):**

State in specific terms how NUMERACY LEVELS should improve as a result of measures in the school's DEIS plan (*number the targets*)

1. By the end of numeracy week, all 2<sup>nd</sup> year students will have had increased exposure to numeracy activities and they will be aware that numeracy is all around them.
2. By the end of Year 1, all students will be able to identify numeracy elements in all subjects.
3. By the end of a 3 year cycle, all students underachieving in numeracy at the beginning of 1<sup>st</sup> year, will have made significant gains on a standardised numeracy test.
4. By the end of year 3, every student will do a Junior Certificate mathematics paper that is appropriate to them.
5. By the end of year 3, every student will be more capable to visualise fractions in a range of contexts.
6. By the end of year 3, all students will have a basic understanding of and the ability to use problem solving strategies in a range of contexts.

Measure	To address	Who?	Lead responsibility	When?	Resources?
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**DEIS Planning:  
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	target(s) no.*				
<ol style="list-style-type: none"> <li>1. Print number word wall.</li> <li>2. Laminate number word wall</li> <li>3. Put Number word wall in every classroom</li> <li>4. Sports Day</li> <li>5. Orienteering</li> <li>6. Science Week</li> <li>7. Maths Circles</li> <li>8. Field Trip</li> </ol> <ol style="list-style-type: none"> <li>1. Cross curricular common approach to a particular area of difficulty identified by the Maths Competency test. (fractions and problem-solving)</li> <li>2. Problem-solving posters</li> <li>3. Giant Scrabble</li> <li>4. Give a copy of the order in which the maths department will teach topics to all teachers.</li> </ol>	2,3,4, 5, 6	Whole School	JCSP Numeracy Team	<u>Start:</u> By October midterm  <u>Review:</u> Christmas	Posters, orienteering equipment and sports day equipment.
1. Science Club-Robotics					Diagnostic test,

**DEIS Planning:  
Plan to improve Numeracy Levels**

<ol style="list-style-type: none"> <li>2. Streamed maths classes</li> <li>3. Facilitate transfers between maths classes</li> <li>4. Differentiation for all levels of learners</li> <li>5. Junior maths quiz</li> <li>6. Maths Challenge</li> <li>7. Bridging the gap</li> <li>8. Pi Quiz</li> <li>9. Team Maths</li> <li>10. Diagnostic test</li> <li>11. Standardised Assessments 1</li> <li>12. Letter highlighting the importance of numeracy in the home sent to parents.</li> <li>13. Cross curricular common approach to a particular area of difficulty identified by the Maths Competency test. (fractions and Problem-solving)</li> </ol>	<p>2,3,4, 5,6</p>	<p>Whole School</p>	<p>Maths Department</p>	<p>September 2012-May 2016.</p> <p>To be reviewed regularly throughout the 3 year cycle,</p>	<p>standardised assessments, record of standardised assessment results, Junior Certificate maths results, summer test maths results, Christmas test maths results and other maths assessment results.</p>
<ol style="list-style-type: none"> <li>1. Standardised Assessments</li> <li>2. Christmas tests</li> <li>3. Summer tests</li> </ol>	<p>4</p>	<p>First Year: 1 M 1R</p>	<p>Maths department and Resource department</p>	<p>September 2012-May 2016.</p>	<p>Standardised assessments, Christmas tests, Summer tests, Summary of results.</p>

**DEIS Planning:  
Plan to improve Numeracy Levels**

<ol style="list-style-type: none"> <li>1. Actions year 1 - CPD, all subject departments to identify at least 1 aspect/topic/concept that would be taught in years 1, 2, 3 of junior cycle using a problem solving approach.</li> <li>2. Action year 2 – implementation</li> <li>3. Problem-solving posters are in every classroom. (this will be reviewed following the CPD next year)</li> </ol>	2,6	Junior Cycle students	JCSP Numeracy team	Term two.	
<ol style="list-style-type: none"> <li>4. Numeracy week activities</li> <li>5. Numeracy inservice for staff.</li> <li>6. Fraction clock.</li> <li>7. Teachers give back results as fractions.</li> </ol>	2,3,5	Whole School	Numeracy JSCP team		Clocks, Worksheets, assessment cards, stop watches, metre sticks, cones, trundle wheel ping pong ball and bat, football, whistles, quiz on ppt, number millionaire on ppt, spotlights and art equipment

## **SUMMARY OF DEIS PLAN FOR THE SCHOOL YEAR**

### **Review:**

#### **June 2013**

##### **Target 1:**

The week was very successful. The students were very enthusiastic and motivated. The points system made things very interesting for the students. Many subject departments got involved and so numeracy was evident all around them.

Some of the out of school workshops were not suitable for our second year group and we will keep that in mind for next year.

Next year we also intend to separate maths week from numeracy week. maths week will take place in October in line with the National Maths week however numeracy week will take place in January.

##### **Target 2:**

This target had to be reinforced a few times throughout the year and students did become more aware of numeracy in other subject areas. However this year was really an introductory to it and next year we will begin with a numeracy inservice for teachers so that they are comfortable with the inclusion of numeracy in their subject area. We will continue with the activities that are already in place. First year students will complete a maths competency test and if this highlights a common area of weakness we will work towards a common approach to that area in all relevant subject areas.

In October a letter will be sent to parents highlighting numeracy in the home and making them a part of improving numeracy levels of our students.

##### **Target 3:**

This target will be reviewed fully after the three year cycle.

In between sitting the standardised tests, the summer and Christmas results are recorded so progress is monitored on a regular basis and any issues are highlighted. This year the first year students did a Maths questionnaire. This showed us how they felt about maths after primary school. The aim now of both the maths and numeracy departments is to ensure students have a more positive experience of maths and Numeracy and that the standardised numeracy tests will reflect this positive attitude.

##### **Target 4:**

This target will be reviewed fully at the end of the three year cycle.

Through the monitoring and recording of test results we are ensuring that students are reaching their potential constantly. Our recording system allows us to identify any problems or difficulties very easily and quickly so that they can be dealt with efficiently.

## **SUMMARY OF DEIS PLAN FOR THE SCHOOL YEAR**

### **Review:**

#### **June 2014**

##### **Target 1:**

This week was very successful this year. We followed up maths week with Numeracy week in January which made for a positive link between the two areas and students were not just taking part in maths activities for one week of the year but they became more enthusiastic about taking part in both maths and Numeracy events throughout the whole year. We reduced the amount of out of school workshops this year and focused more on what we could do in school. We found this to be a more positive experience for the students than last year.

##### **Target 2:**

We continued with this target for the second year and we will continue it into the third year of this plan. Students are becoming more aware of Numeracy elements in other subjects. Problem-solving posters have gone up around the school. Teachers have had 3 in-services on numeracy and so teachers are more comfortable relating to Numeracy within the classroom. Numeracy week in January was a great success and students really enjoyed it. They were very enthusiastic about the events and have become very positive towards numeracy within the school. Next year we will continue with this target and focus on areas such as time and problem solving in order to promote numeracy within the school.

##### **Target 3:**

This target will be reviewed fully after the three year cycle.

In between sitting the standardised tests, the summer and Christmas results are recorded so progress is monitored on a regular basis and any issues are highlighted. This year the first year students did a maths questionnaire. This showed us how they felt about maths after primary school. The aim now of both the maths and numeracy departments is to ensure students have a more positive experience of maths and numeracy and that the standardised numeracy tests will reflect this positive attitude.

##### **Target 4:**

This target will be reviewed fully at the end of the three year cycle.

Through the monitoring and recording of test results we are ensuring that students are reaching their potential constantly. Our recording system allows us to identify any problems or difficulties very easily and quickly so that they can be dealt with efficiently.

## **SUMMARY OF DEIS PLAN FOR THE SCHOOL YEAR**

### Target 5:

This target was worked on well this year though in-service and numeracy week. Next year we will continue working on it though the use of fraction clocks around the school and asking teachers to give results back as fractions. Teachers have become very positive and confident in their approach to visualizing fractions in their subject areas.

### Target 6:

This target is very new. We began this year by putting up problem-solving posters around the school. Next year we will work further on this organising a CPD for staff and we will be able to decide how to proceed with this target then.