

MATHEMATICS JOURNAL

For our How We Organise Ourselves Unit of Inquiry, we will focus on Math through the central idea: ***Attitudes and skills help organisations to solve problems and achieve their goals.***

Within small group organisations we will use attitudes and skills to solve Math problems. We will solve a number of small problems and one larger problem. However large or small a Math problem is, we can inquire to solve it by using our *Guiding Questions for Problem Solving*.

We will learn how to structure our small group organisations to achieve our goal to solve Math. We will also learn about how to make decisions within our organisations.

We will keep a Math Journal to help us think, record and discuss our learning. Reflection through thinking, recording and discussion is very important too and we can use our special *Math Discussion Frames* to help us.

As we solve small problems, we will use a special *Math Assessment Rubric*. This will help us know our level of Math achievement, Skill achievement and Attitude achievement. It also shows us what is expected and how to improve. This will give us plenty of practice so we can do our very best to solve our one larger problem.

<i>Guiding Questions for Problem Solving</i>		
1	What is the goal of the procedure? What attitudes and skills do we need to succeed?	Tuning In
2	What sort of answer(s) should we expect? How can we predict or estimate the outcome?	
3	How do we do it together? What are the steps?	Finding Out Sorting Out
4	How else could we do it?	Going Further
5	Why does the procedure work? Why are the steps valid?	Making Conclusions
6	Is our answer reasonable? Is it correct? How would we know?	
7	When is this the "best" procedure to use?	Taking Action
8	What can we use this procedure to do? What kind of problems can it help solve?	