

PROGRAMME PLANNING

1. School-wide programmes will take into consideration the needs and experiences of students.
2. The school Mathematics and Statistics programme shows the three strands and the achievement objectives for Levels 1-3.
3. Numeracy [Number and Algebra] will occupy 80% of the Level 1 programme and this will lower to 60% as students progress to Level 3.
4. Each staff member will use the Numeracy booklets and school resources to ensure a balanced programme with the achievement objectives being covered in a variety of ways.
5. The three strands to be covered are: Number and Algebra, Geometry and Measurement, and Statistics.
6. The two Key Competencies that will be emphasised are: Thinking and Using Language, Symbols and Texts.
7. Strands and relevant achievement objectives, specific learning outcomes, key competencies, contexts, learning activities, assessment and integrated areas will form the basis of teaching and learning programmes.

TAPANUI SCHOOL MATHEMATICS AND STATISTICS CURRICULUM PLAN

AIM OF MATHEMATICS AND STATISTICS

- to help students to develop a belief in the value of mathematics and its usefulness, to nurture confidence in mathematical ability, to foster a sense of personal achievement, and to encourage a continuing and creative interest in Mathematics
- to develop in students the skills, concepts, understandings and attitudes which will enable them to cope confidently with the mathematics of everyday life
- to provide students with the mathematical tools, skills, understandings and attitudes they will require in the world of work
- to help students to develop a variety of approaches to solving problems involving mathematics, and to develop the ability to think and reason logically

'The New Zealand Curriculum' and 'Mathematics in the NZ Curriculum' are the basis for this plan.

RESOURCES

Mathematics resources are stored in a number of areas: Level 2 & 3 resources are stored in the Senior resource rooms between Room 6 & 7. Level 1 resources are stored in the Multi-purpose Room.

Equipment used regularly is kept in classrooms.

New resources are constantly being added to keep Mathematics and Statistics lessons relevant and up to date. Outdated material is replaced and known gaps are filled.

We have a wide variety of resources so that a teacher can follow interests, select to class / individual needs or develop an objective from another starting point.

Information Technology will be used where appropriate—fax, computer programmes, intranet and internet.

The library is also an important resource and will be used for both recreational and research purposes.

ASSESSMENT AND EVALUATION

1. Assessment will be an integral part of the Mathematics and Statistics programme.
2. Students' progress in relation to achievement objectives and specific learning outcomes from the three strands will be assessed on a regular basis.
3. Work samples will be collected/pasted into Sample Books to show some Mathematics and Statistics activities covered by students.
4. A variety of assessment methods will be used to give feedback and feed forward to students and report to parents and the BOT.
5. Children who are identified as having remedial / extension needs will use *SuccessMakerNZ* programmes where this is required.

SCHOOL AND COMMUNITY GOALS

Students will:

- understand and learn the basic facts and tables that are essential for all mathematical operations.
- practise and maintain the four operations: addition, subtraction, multiplication & division.
- use mathematical knowledge, skills and strategies to solve problems in Number and Algebra, Geometry and Measurement, and Statistics.
- undertake mathematical tasks that will be purposeful and meaningful.