

Early exposure to **motor experiences** should be varied so children can develop their fundamental movement skills. This should be done both in and out of the water. Adapt land games to encourage locomotor, rotation and balance in water. Younger children can sing rhymes and songs while older classes can warm up with some aqua aerobic routines, either peer or teacher led. Manipulation games can range from picking up floating or sinking toys and playing ball games such as Flippa Ball or pool volleyball. These activities could be used to develop water confidence or complement a learn to swim programme.



Image: Courtesy Chapel Downs School

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**Teacher guide
Numeracy and
Hypothermia**

Hypothermia is an autoimmune which can be readily acquired using the learning area of Mathematics and Statistics. The following are some ways in which the study of hypothermia could be used for the Mathematics and Statistics learning area.

The temperature of hypothermia can be used in the same temperature of the water. Students could be asked to take three graphs on temperature or hypothermia.

Time (minutes)	Temperature (°C)
0	37.0
10	36.5
20	36.0
30	35.5
40	35.0
50	34.5
60	34.0
70	33.5
80	33.0
90	32.5
100	32.0

Graph 1: In addition appropriate graphs could be used to plot the range of hypothermia. Students could be asked to take three graphs on temperature or hypothermia.

Graph 2: The graph below represents a child's core temperature (°C) and a child's pulse rate (beats per minute) over time (minutes) during a hypothermia incident.

Graph 3: The graph below shows a child's estimated survival time (hours) during a hypothermia incident.

Programme: Using programme, use these materials to create a programme of activities for the learning area of Mathematics and Statistics. Use the following materials to create a programme of activities for the learning area of Mathematics and Statistics.

Key:
A - Child's core temperature (°C)
B - Child's pulse rate (beats per minute)
C - Child's survival time (hours)

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**Teacher Guide
A School Census
and Aquatics**

New Zealand conducts a census on 7 days and the next one on 14th March 2011. The aim of the census is to gather information about the number of people in New Zealand and particular data. This includes values in the country. A variety of information can be collected such as age, sex, race, income, education, the number of children, etc. This information is then recorded and used as a basis for decisions on roads and future trends.

Students can create their own census and collect a lot of data, such as the distance and location of home from school, what sports and other facilities do you have at home, what location they live, what makes the children play in, how many go fishing, what sort of fishing is preferred, what clubs or organisations do they belong to, etc. By using and students can use this in their learning and learning programme. Some data could help to reduce student needs, while students could use statistical data for their own analysis.

Calculating an aquatic which would involve statistical investigation could be a good start to the term. Students could collect data for their own use in the school, such as a census of the school, they can use this for their own use. This could be expanded to include their own aquatic programme. Other data such as their own data for their own use, such as the number of people who do aquatic, what data could be collected. For more ideas see NZ Year 9 aquatic programme Plan Sheet on 12. The next census is on 14th March 2011.

This data could be useful for a number of reasons as it:

- allows students to investigate and interpret data in an authentic context
- enables students to generate their own statistical learning
- provides students with data on the aquatic needs of their students, so they can match their teaching to meet those needs
- provides opportunities for cross-curricular learning and the wider world
- facilitates teaching and learning in inquiry

Aquatics and Numeracy

The next national census will be held on March 8th 2011. A teacher guide, "A school census and aquatics" has been produced to aid teachers in linking this event to their aquatics and mathematics and statistics programmes. It suggests ways in which students can collect data to ensure that teachers have a snapshot of their aquatic pursuits and abilities. Other numeracy guides and student task sheets are available in the teacher's toolbox on the website see footer.

The **Pools2Schools™** pool is situated in its third Auckland school. Last term it was at Point England School and now it is at Sylvia Park School as part of the Tamaki Cluster Kiwisport Initiative. Students learn and experience a variety of activities both in class and co curricular time, including snorkelling, Flippa Ball and swim team training. Children from Point England used their lunchtimes to train for the Weetbix triathalon.



Image: Courtesy Point England School

The **Auckland Airport Community Trust** recently funded a project to enhance literacy skills and water safety awareness in year 5 and 6 students at 14 schools within the Trust's area of benefit.

Each student was provided with a pack consisting of a bag, bookmark, activity book and story book 'Tasman the Sailor Dog'. In addition teachers were supported by the production of a resource to suggest ways in which the student pack could be enhanced in the classroom literacy programme. Tasman is available from Starboard Products Starpro@ihug.co.nz.



Once **gifted and talented students** have been identified, using appropriate potential and/or demonstrated performance criteria, teachers need to establish pathways and opportunities for students to realise their potential. These pathways and opportunities could take a range of models such as: individual education plans; ability grouping; special classes; mentoring; competitions; or lunch time and after school activities.

State Kiwi Swim Safe is a comprehensive programme designed to meet Swimming New Zealand's vision and to give school teachers the necessary skills, knowledge and confidence to deliver a program that reflects the aquatic requirements of the New Zealand Curriculum.

The programme is designed in three sections; in the classroom, at the pool and at the beach. For further information go to www.kiwiswimsafe.org.nz



Contact

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Don't forget **Sea Week** - Feb 26th – March 6th