

TE PAEPAE O AOTEA MATHS BADGE: SPORT

SECTION A		SECTION B	
Select and complete three out of the five in Section A		Select and complete three out of the six in Section B	
1	Investigate whether tall students in your class are able to run faster, jump further, jump higher or throw further than shorter students. Write up your findings.	1	Plan and map an orienteering course. Draw a map of the course and provide a list of clues.
2	Show how knowledge of geometry could be used to enhance a person's performance in any sport. Present your findings in an interesting manner.	2	Determine your level of fitness by using an established test or devise your own. Record your results. Prepare and carry out a fitness schedule for a period of one month. Record and chart your progress. Draw conclusions about the effectiveness of your programme.
3	Compile a database of athletic or swimming records for two of the following: a) yourself b) students in your class or school c) sports records – local, national, international	3	Plan and record a balanced diet for a sports person or a person preparing for a special sports event. Consider the following: * time frame * energy content * cost
4	Design and create a game which can be played within the size of a netball court, on a hard surface. Invent and explain the scoring system. Choose an innovative way to show how the game can be played, eg. photo's, video, pictures, etc.	4	Plan a fitness circuit suitable for your class, whanau or school. Draw a neat site plan to show how it works.
5	Estimate the costs involved in playing a sport of your choice. Compare the costs for two of the following: • summer and winter sport • an indoor and outdoor version of the same sport • individual and team • two different sports that you are or wish to be involved in	5	Investigate and analyse the nature of injuries that occur for one of the following over a four week period: • school • sports club or group Record and present your findings. How much productive time is lost due to these injuries.
		6	Plan a tabloid sports day for your whanau/school. What games would you have? How many teams? How many in a team? Rotations? Draw a map of how your event would run.