

Achieved

NZQA Intended for teacher use only

### What is the organisation?

ZZZ High School is a co-ed high school located in [REDACTED] It has a roll of 1400 students.

### What is the opportunity for ZHS, and the decision the kura has to make?

ZHS has an opportunity to improve some aspects of the school. A former student has agreed to fund a project of the school's choosing. The kura has to pick the best decision which will meet Pūtake and provide students with better learning experiences.

### Pūtake of ZHS

ZZZ High School's pūtake is: To deliver Aotearoa New Zealand's best all-round education.

### The kura's stakeholders:

- Internal: principal, other administrators, teachers, non-teaching staff, students, BOT members, parents/guardians
- External: Ministry of Education, suppliers, Canteen organisation

### Options for spending the donation – financial tools

#### Option 1 – weights room equipment

ZHS has minimal lifting equipment in its current gym. Currently the facility can only cater for up to 10 people, not enough to have full class participation in activities.

The PE department has considered a full gym set up to include 5 bench presses, 4 treadmills, 3 cable machines, and 3 Smith machines.

*Cost GST included:*

5 bench presses: \$1845 (torpedo7.co.nz)

4 Treadmills: \$3996 | TRIMLINE 2000 TREADMILL(elitefitness.co.nz)

3 smith machines: \$3897 | Smith machine with crossover cable (leewarehouse.co.nz) 3

cable machines: \$1350 | Wall mount single crossover cable cross machine (leewarehouse.co.nz)

Total initial cost: **\$11,088**

*Maintenance required:* Cleaning, equipment fixes.

*One Year Running Cost:* Treadmill: 8.57 per week, \$445.64 per year Others: no running cost applicable.

*Income received:*

Gym membership: \$20 per month for after school hours. E.g. 60 students pay for \$20 per month membership = \$14400

*Longevity:* Around 10 years

*Other useful information:*

**FINANCIAL:**

By having a gym, it is possible to rent it out. Students can also pay after-school membership to generate more income.

**NON-FINANCIAL:**

Promotes fitness for students at ZHS and great for P.E classrooms. Teaching physical education to high school students is highly important for their health and wellbeing.

## Option 2 – smartboards

“SMART boards are the new innovative way to teach in 2024! The impressive Interactive Experience includes IR-touch technology, with powerful whiteboard software, smooth touch writing experience, and smart object recognition. There is an app store to explore more interesting Apps, and our software team can customise it for you! It’s All-in-One, more than just a touchscreen TV! In short; Whiteboard + Computer = SMART board!” 10 smart boards are proposed

*Cost GST included:*

65” inch= \$5732.75

75” inch = \$7992.50

Proposed decision: Five 65 inch Five 75 inch

Total cost: **\$68,626**

*Income received:* None

*Longevity:* Lasts approximately 50000 hours (over 5 years)

*Other useful information*

**FINANCIAL:**

Doesn’t have a shown running cost, however some maintenance may be required.

**NON-FINANCIAL:**

Useful for teachers, as it gives classrooms an interactive way to learn. They are highly beneficial for students who are visual and auditory learners. Should improve education in most learning areas and help students engage with their learning more.

## Option 3 – new laptops

The current ZHS computers often malfunction and are not highly suitable for students' learning. They are old and do not perform well. Getting new, high-performing computers will help students engage in their learning on the days that they don’t bring their own devices.

*Cost GST included:*

LENOVO Thinkpad E14 Gen 5 14” intel Individual price: \$1312.79

40 computers: **\$52,512**

*Running costs:* Broken screen repairs can range from \$50-\$200. Broken keycaps cost: Around \$7-20

*Income received:* N/A

*Longevity:* Has a 3-year warranty. Lasts approximately 4-7 years

*Other useful information*

**FINANCIAL:**

Repairs and fixes are not definite.

**NON-FINANCIAL:**

There are currently 32 working computers at the school, which often results in an inadequate number of computers available for students to use.

<b>COST/BENEFIT ANALYSIS</b>		
<b>Option</b>	<b>Advantages (benefits)</b>	<b>Disadvantages (costs)</b>
Weights room equipment	<ul style="list-style-type: none"> <li>• Inexpensive to run</li> <li>• \$11,088 initial cost</li> <li>• Promotes health and fitness</li> <li>• Aids physical and mental wellbeing</li> <li>• Available for after-school use</li> <li>• Affordable gym option for students</li> <li>• ZHS makes a profit from charging students for membership (\$20 per month)</li> <li>• ZHS will gain approximately \$14,400 a year</li> <li>• Helpful for PE classes</li> </ul>	<ul style="list-style-type: none"> <li>• It has a running cost (\$446)</li> <li>• Unspecified and indefinite repairs</li> <li>• It won't benefit all students</li> </ul>
Smartboards	<ul style="list-style-type: none"> <li>• Aids students' education</li> <li>• Doesn't have a high running cost (\$0 calculated)</li> <li>• Interactive learning to keep students engaged</li> <li>• 4K ultra-HD resolution</li> <li>• Video conference calls</li> <li>• Adaptive learning</li> </ul>	<ul style="list-style-type: none"> <li>• Expensive (\$68,626)</li> <li>• Not completely necessary</li> <li>• Need to be replaced every 5 years</li> </ul>
Laptops	<ul style="list-style-type: none"> <li>• Students can keep on top of their work</li> <li>• Computers do not die as fast</li> <li>• No running cost as the technician is already on the staff</li> </ul>	<ul style="list-style-type: none"> <li>• Expensive (\$52,512)</li> <li>• Students are required to BYOD anyway</li> <li>• Can easily be damaged</li> <li>• Will need to be replaced</li> </ul>

## Stakeholder perspectives

Stakeholder	Perspectives on smart boards	Perspectives on weight room equipment	Perspectives on new laptops
Student Sienna	I think that smart boards are a good idea because they improve students' education. I think this will benefit everyone.	I think that the new facilities in the gym will help the PE classes to be successful, but I don't see how it can help everyone as not everyone takes PE in senior years. I think an increased focus on PE would be more useful.	I think that getting new school computers will help everyone's education because the computers we have now are slow, hard to use and die fast. By getting new ones it will help every student be able to learn.
Member of Senior Leadership Team and Kaihāpai Māori	We already have an excess supply so from a financial perspective I don't see this having a great impact.	I think there is the capacity to increase the equipment in this space and that would have a positive impact on the high performance of the Sports Team. However, the impact of this would be on a smaller group of students than the computers, which I find hard to justify.	No particular opinion.
Member of local community and parent	It feels like there are already a lot of other resources available for teaching and learning at school and I don't think this would add much extra to what is going on already.	This would benefit those students who are sporty but not the rest of the community - I think this is a bit of a 'narrow' vision.	No particular opinion.
Mum (parent perspective)	My decision would depend on how efficient it would be to link into existing technology, and I'd want to know more about the value added with the smartboards.	I think good gym equipment would be beneficial if there was an increased focus on every student using the facilities. Otherwise, it would benefit too few students.	New school computers would benefit most students. Although the school has a BYOD policy, it's necessary to have good quality computers available for students to use.

## My decision

My first choice is the weights room equipment. My options ranked are:

1. Weights room equipment (gym)
2. New school computers
3. Smartboards

Scarcity dictates the fact that ZHS is unable to have all three options. Scarcity means that we do not have infinite resources available to make all these options possible. The opportunity cost of choosing the weights room equipment means we must forego the two other options.

I chose this option because it is inexpensive, with an initial cost of only \$11,088. The yearly cost calculated is only \$446, making the weights room significantly cheaper than the other options. The weights room is \$40,978 cheaper than the opportunity cost, (new laptops) and that includes the yearly cost.

The weights room will have the potential to make \$14,400 a year, based on an estimate of 60 students paying for a monthly membership. Having a choice where making a profit is possible opens up more future possibilities for the school.

Why the other options were not chosen: ZHS already enforces a strong BYOD policy, so new school laptops will not be highly beneficial in the long run. Although smartboards can be helpful for some students and some subjects, they are not highly necessary. They need to be replaced approximately every 5 years, and the cost adds up to \$68,262. This is not suitable for the school as the price would be recurring every 5 years.

The weights room is the best option as it provides cost benefits, whilst also benefiting students' fitness and wellbeing.

My choice meets ZZZ High school's pūtake as it focuses on physical activity, which can strengthen mental health and therefore help students feel more motivated at school. When students are motivated, they are more likely to be well-rounded and do well academically and in extra-curricular activities. Getting extra funds for the school can also help the school further meet pūtake by providing resources that will help students to get a well-rounded education.

## How did stakeholder perspectives inform the decision?

When making informed financial decisions like these, it is important to be aware of the stakeholders' opinions on the matter.

Student perspectives are highly important as their education is in the hands of ZHS. I believe that students deserve a say in this decision, and they should know to a certain extent what will be the most beneficial to them. Student stakeholders are getting affected by these decisions, so their perspectives are highly important.

Stakeholders help identify the main needs and priorities for the school, from non-financial

and financial perspectives.

### Consequences for ZHS and stakeholders

One student perspective partially agreed with the decision to have the weights room as the priority. The member of the senior leadership team and member of local community both ranked the gym higher than smart boards, therefore having their needs met. This decision positively impacts students who prioritise physical education. Sporty students will benefit and get the most use out of the weights room. They will also have a cheaper gym option, further benefiting them financially. Parents who prioritise their children's health and fitness should be positively impacted by this decision. Parents may appreciate having a safe workout environment at school.

Which stakeholders' perspectives are not met?

The parent perspective was not met by this decision. The member of local community and member of senior leadership team stated their issues with the weights room however they ranked it higher than smartboards (new computers N/A). Students who do not prioritize fitness and physical activity, (or are unable to) could potentially be negatively impacted by this decision. Teachers that are not involved with physical education will not benefit from this decision, as it does not branch into the learning area that they are familiar with teaching.

When deciding when to allocate the money, it is important to continue to analyse and understand the importance of stakeholder perspectives. These perspectives are important so that ZHS can understand the preferences and priorities of those who will be affected by the decision. The final decision, (weights room) should accurately reflect stakeholder values.

ZHS could prioritise an increased focus on physical education, therefore making the weights room more inclusive and useful. Aside from the final decision, a compromise could include buying 7 extra school computers (\$9190) from the money made from the gym memberships. This purchase may be recurring, however it will still leave money left over (\$5210).