

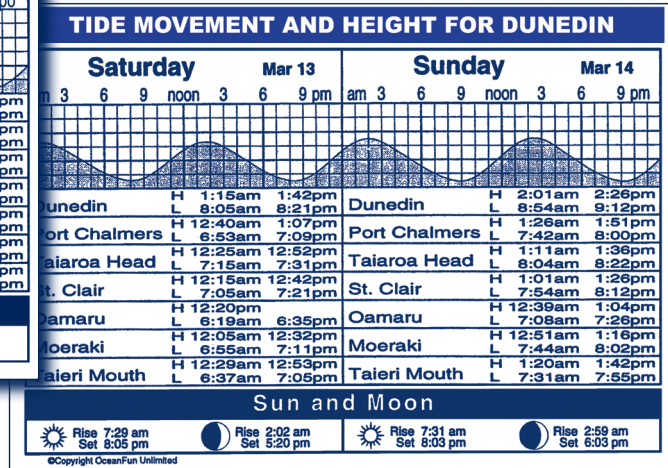
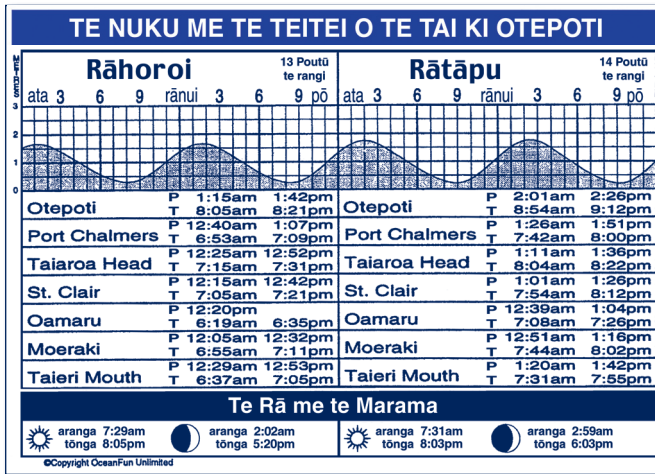
Task: Te Tai — Tides

Approach: One to one

Focus: Interpreting a table and a graph

Resources: Chart with table, recording book

Kupu: tūtohi = table (of data)



Questions / instructions:

Hoatu te tūtohi tai ki te ākongā.

Kei roto i te tūtohi nei ngā kōrero mō te tai, te rā, me te marama. E tohu ana te **P** i te tai pari. E tohu ana te **T** i te tai timu.

Give student tide chart.

This chart gives information about tides, the sun and moon. **H** means high tide and **L** means low tide.

1. Tirohia ngā kōrero mō te Rātāpu, te 14 o Poutū te rangi (Maehe). He aha te taima i te ahiahi, ka pari te tai ki Port Chalmers?

Look for Sunday, March 14th. At what time in the afternoon will it be high tide at Port Chalmers?

1.51pm 35

2. Tirohia ngā kōrero mō te Rāhoroi, te 13 o Poutū te rangi (Maehe). E hiahia ana kia tae atu koe ki St Clair i te wā e timu ana te tai. He aha ngā taima ka timu te tai ki St Clair?

Look at Saturday, March 13th. Imagine that you want to catch low tide at St Clair. What times would you catch a low tide?

Correct choices: 7.05am & 7.21pm both correct 53
one correct 14

3. Kei roto hoki i te tūtohi ētahi kōrero mō te rā me te marama. Tirohia ngā kōrero mō te marama i te Rāhoroi, te 13 o Poutū te rangi (Maehe). He aha ētahi kōrero e toru mō te marama i taua rangi?

The tide chart also has information about the sun and the moon. Look at the moon for Saturday, March 13th. Try to tell me three things about the moon on this date.

rises at 2.02am 47
sets at 5.20pm 45
is a crescent / 1/3 moon 10

Tohua te wāhanga o te kauwhata e whakaatu ana i te tai i te Rāhoroi, te 13 o Poutū te rangi (Maehe).

Point to Saturday 13 March tide section of the graph.

4. Tirohia te kauwhata mō te Rāhoroi, te 13 o Poutū te rangi. E aha ana te tai i waenganui i te rua me te ono karaka i te ata?

Now look at the graph for Saturday March 13th. What is happening between 2am and 6am?

tide is going out 27

5. He āwhina nui tēnei tūtohi i a wai? Who might find this chart helpful?

people who need to know about the level of the sea (or examples of such people) 82

Total score: 8-9 8
6-7 16
4-5 29
2-3 27
0-1 20

Commentary:

Almost half of the students had low levels of success with this task. Just over half of the students had moderate or high success with this task.