### The Learning Context

- Students undertake some preliminary instruction on different sampling approaches and processes.
- Students to partner with a local vineyard/orchard to carry out samples to make a prediction for total volume of fruit/variety.
- Discuss with the partner the need for sampling, how it contributes to the vineyard/orchard planning and organisation.
- Student plan the sampling process with the partner using a plan of the vineyard/orchard. There will need to be decisions made about the size, type and process of sampling to be used.
- Students should work in groups and sample different parts of the vineyard/orchard.
- Each group analyse their samples (fruit weighed).
- Groups compare each of the sample analysis and make deductions.
- Prepare a functional report for presentation to the partner and ask for feedback on all aspects of the process and outcome.

### Assessment Ideas

- Formative – Group Task – what problem might we run into when taking the sample?
- Summative – NCEA Level 2 Assessment.