Project Math TRACK
PBL Lesson Plan Template

Pre-Lesson

	Grade Level: 12th	**Teacher Name/School:Takaingofa Pasai** **Lee Central High School**
	Standards Addressed:	PS.SPID.1 Select and create an appropriate display,including box plots,for data that includes only real numbers.Use statistics appropriate to the shape of the data distribution to compare center and spread of two or more different data sets that include all real numbers. ● determine 5-number summary (minimum,Q1,median,Q3,maximum). ● calculate range and IQR ● calculate mean and standard deviation. ● determine the best representation of center(mean or median) based on symmetry,outliers. ● determine the best representation of spread(standard deviation or IQR) based on measures of center used.
g	**Critical Questions to Consider:**	□Is the problem relevant to content/standard(s) being taught? yes □Will the problem incorporate multiple instructional and thinking processes? yes □ Can students solve this problem in multiple ways? yes □ Is the problem high-interest? Will it command student attention? Yes □ Will students develop their own ideas and reasoning skills? Yes

Scenario: (no more than 500 words)

Students in year seven at Calverton High School took part in English exams.The boy's results are summarised below.

The lowest mark was 12

The highest mark was 55

The median mark was 32

The upper quartile was 41

The interquartile was 22

Instructional Activities: (List in numeric order).

1.Draw a box plot to represent this information.
2.What is the interquartile range?
3.Did the students perform well in the English exam,explain your answer?
4.True/False, more than 50% of the boys got at least a C.

Student Reflection / Assessment Activity:

Students will consider a real world scenario similar to the one in the assignment and come up with their own problem and solution.