Lesson Plan

Lesson: 34

Grade 9 Academic

## Unit/Chapter: <u>Investigating Relationships</u>

## **Topic:** <u>Interpreting Data</u>

## **t** homework check: <u>NPM 9</u> p. 316 # 1, 4, 5, 7, 8, 10

## *i* note: <u>Interpreting Data</u>

Tables of values are used to organize data gathered from an experiment. If the data seems to follow a pattern, we draw a line or curve of best fit. When we are investigating data, we must always consider whether the data is continuous or discrete. If we can draw a line, we can write an equation to represent the relationship between the variables. If a curve of best fit can be drawn, we use technology to find an equation.

Given the following data,

- i) Determine which variable is independent and which is dependent.
- ii) Draw a scatter plot.
- iii) Describe any pattern you may see using correct vocabulary.
- iv) Is the data continuous or discrete?
- v) Draw a line or curve of best fit.



Given the following data,

- vi) Determine which variable is independent and which is dependent.
- vii) Draw a scatter plot.
- viii) Describe any pattern you may see using correct vocabulary.
- ix) Is the data continuous or discrete?
- x) Draw a line or curve of best fit.

Time (h)	Number of Bacteria
0	1
1	2
2	4
3	8
4	16
5	32



**t** homework assignment: <u>NPM 89</u> p. 326 # 3 – 10