

GRADE LEVEL: 6th or 7th Grade
GLCEs: 6th Grade

STRAND: Algebra

LESSON TITLE: “GROW ON WITH YOUR BAD SELF!”

LEARNING OBJECTIVES:

- 1) Graph a line given information from a table.
- 2) Find the slope of a line.

MATERIALS: Graph paper
Calculator
Pencil/Paper
Straight edge

BACKGROUND:

- 1) Students will need to know how to plot points on a graph.

INSTRUCTIONAL PLAN:

Intro Story: Johnny Steele opens a bank account with birthday money totaling \$50. He adds \$10 per week.

Students will complete a table of Johnny’s bank account.

Week	Money
0	\$50
1	\$60
2	
3	
4	

Students are to find a relationship between the number of weeks and the amount of money. They will be asked to calculate the rate of change of money from week to week.

Express the rate of change in money with respect to the time in weeks.

If the “money” column of the table represents the y-variable (vertical axis) and the “weeks” column of the table represents the x-variable (horizontal axis), then plot the coordinate points from the table onto the graph.

Students will connect points with a line and predict amounts of money using the line they graphed.

MICHIGAN GLCEs:

A.PA.06.01 Solve applied problems involving rates including speed, e.g., if a car is going 50mph, how far will it go in $3\frac{1}{2}$ hours?

A.RP.06.08 Understand that relationships between quantities can be suggested by graphs and tables.