**Multimedia/Inquiry Lesson Plan**

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**Subject(s):** Math I

**Topic or Unit of Study (Title):**  1-1 Variables and Expressions

**Grade Level:** 9th and 10th

***Materials:*** Smart Board, pencil, paper, and a good attitude ready for learning!

**Summary (*and Rationale*):** It is important that students are able to distinguish between variables and constant mathematical quantities that occur in real-world situation.

**I. Statement of Instructional Objective(s) *and Assessments*:**

|  |  |
| --- | --- |
| **Objectives** | **Assessments** |
| *When given an algebraic expression, students will be able to evaluate them by writing them in verbal sentences correctly 8 out of 12 times.*  | Students will be assessed on the problems in the Smart Board Lesson and how well they work with others.  |

State the objective: [1 minutes]

Assessment: [no additional time needed]

**III. Teacher Input (Present tasks, information and guidance):**  [45 minutes]

Smart Board Lesson

***V.* Closure (Plan for maintenance):** [5 minutes]

EXIT Slip:

What would be a real-world situation and solution for this equation?

$$2x+4=24$$

What is the missing information?

What would the solution to the equation be? How did you determine it?

***VI.* Independent Practice:** [homework]

Complete 1.1 page 7 numbers 1 – 37 odd and 46 – 48.

**STANDARDS:**

* CCSS.MATH.CONTENT.HSA.SSE.A.1 Interpret expressions that represent a quantity in terms of its context.
* CCSS.MATH.CONTENT.HSA.SSE.B.3 Choose and produce an equivalent form of an expression to reveal and explain properties of the quantity represented by the expression.
* CCSS.MATH.CONTENT.HSA.REI.A.1 Explain each step in solving a simple equation as following from the equality of numbers asserted at the previous step, starting from the assumption that the original equation has a solution. Construct a viable argument to justify a solution method.
* HS.TT.1 Use technology and other resources for assigned tasks. HS.TT.1.1   Use appropriate technology tools and other resources to access information
* HS.TT.1.2   Use appropriate technology tools and other resources to organize information

**Plans for Individual Differences:**

Throughout the lesson students will be working with partners. This is an easy way to work through the problems by discussing it with a partner. Multiple level questions will also be used to address students with different needs.