The student's name was blurred to ensure privacy.

Name: [redacted] School: [redacted]

Grade: 9th Subject: math

Pre Assessment Survey

Content

1. What is flow rate?
   I Don't Knaw
   X 1. Incorrect response:
   The student did not give any answer.
2. Which parameters affect flow rate?
   I Don't Knaw
   X 2. Incorrect response:
   The student did not give any answer.
3. Give a physical example of where regulating flow rate is important, and how it is regulated in practice?
   I Don't Knaw
   X 3. Incorrect response:
   The student did not give any answer.

Evaluation

1. What gets you excited about science?
   experiments
2. If you were given the chance to create this lesson which method would you use (select all that apply):
   a. Lecture
   b. Textbook reading
   c. Movie
   d. Hands- on activity
   e. Researching on the internet
3. Do you think Robotics can be helpful when used to collect data in science experiments?
   a. Yes
   b. No
   c. Unsure

Name: _____ School: _____

Grade: _____ Subject: _____

Post Assessment Survey

Content

1. What is flow rate?
   - When you see how fast or slow a liquid could fill up
2. Which parameters affect flow rate?
   - The size of the hole.
3. Give a physical example of where regulating flow rate is important, and how it is regulated in practice?
   - In science when doing an experiment based on a rate of a liquid.

1. Correct response:
The student used the terms "fast or slow" in describing the motion of the liquid in the experiment.

2. Correct response:
The student described one parameter that affects flow rate.

3. Correct response:
The student correctly describes an experimental inquiry where flow rate of liquids is tested.

Evaluation

1. What gets you excited about science?
   experiments
2. If you were given the chance to create this lesson which method would you use (select all that apply):
   a. Lecture
   b. Textbook reading
   c. Movie
   (d.) Hands- on activity
   e. Researching on the internet
3. Do you think Robotics can be helpful when used to collect data in science experiments?
   (a.) Yes
   b. No
   c. Unsure
4. What did you like / dislike about the lesson?
   It was boring
5. What did you like /dislike about the Robotics device?
   - It takes to much to program
6. Please rate this lesson using the following:
   a. Strongly disliked
   (b.) Disliked
   c. Liked
   d. Strongly liked
7. Do you think the use Robotics to collect data:
   (a.) Made the lesson easier
   b. Made the lesson harder
   c. Made no difference in the lesson