

What is the project that this student is working on?

We are working our waves unit. Students had note guides, introduction lecture lessons, hands-on activities, video clips, one lab and sample problems to work on in the wave unit. The wave unit will ultimately culminate in creating PVC pipe instruments for a slam poetry performance for Dia de Los Muertos.

How has this project been designed to be meaningful and engaging?

This Wave Intro Lab assignment was designed to help students understand the basic principles of waves by manipulating individual components of wave. The lab was an interactive virtual lab done on a computer with one lab partner of their choice and to be completed in 75 minutes. The lab was interactive and a graphical representation of waves and their components.

Student Profile Template

Pseudonym of student: Bianca

Strengths and Interests:

- Great communicator with peers
- Works well in groups
- Eager to work
- Isn't afraid to ask help in most situations

Classroom Observations

Teacher Action/Classroom Environment	Student Response
<ul style="list-style-type: none">● <i>When I assign assignments in class</i>● <i>When I give group lab time to work</i>● <i>When assigning worksheets for observations</i>	<ul style="list-style-type: none">● <i>Student will start most assignments and then get distracted</i>● <i>Student ends up talking with group partners instead of talking about the specific task at hand</i>● <i>Student will write brief to the points words or phrases about questions asked and difficulty writing in complete sentences</i>

Project/Student Work Production

Assigned Work	Submitted? (Any additional notes about the assignment)
Wave PVC Instrument	Complete
Science Current Event	Incomplete
Wave PVC Instrument Brainstorm for Group	Complete
Intro Wave Worksheet	Incomplete
Wave Problems #75-77,79	Incomplete
Wave Parts Lab	Complete
Wave Human Demo	Complete
Science Current Event	Incomplete
Wave on a String Lab	Incomplete

Dilemma Scenario/Question:

When the unit started the student wasn't excited to begin the wave unit she wasn't excited about learning formulas and having to calculate science. To introduce the unit we watched a PVC Instrument Youtube playlist. Bianca was excited about different instrument possibilities and creating an instrument she liked best. She filled in her initial brainstorm and shared all of her ideas. Science Current Events are a classroom routine that occurs every Tuesday Bianca will consistently only complete half of the assignment. It will differ what half of the assignment she completes. Bianca will attempt to set up some of her worksheet problems but will rush through the assignment and will supply answers to questions not asked. She is a bubbly and talkative person and will generally turn to Gigi or Leila to ask for help if she's confused. On occasion Bianca will ask me for help when she can't figure out what to do. When I come by to see if she needs help, most responses are a cheery "Good, I got it." But the work is incomplete, not detailed or not finished. Bianca wants to do well and loves group work. She will start off on topic with what the class is working on then quickly gets off task and distracted. The last part of the puzzle is Bianca struggles to complete math calculations for Physics. She will set up the G.U.E.S.S. method for problem solving but leave the rest of the problems blank. How can I help Bianca to stay on task, slow down and complete her work?