

## **Do Classroom Teaching Methods Incorporate All Types of Learning Styles?**

Samuel Zucker

*Departmental Affiliation:* Education  
College of Arts and Sciences

An individual's learning style is a natural pattern of processing or acquiring knowledge. Three types of learning styles that were studied are visual, auditory, and kinesthetic (tactile). An individual's ability to acquire knowledge depends upon the style of instruction received by the teacher. The purpose of this project was to examine whether the teaching methods used in a high school biology classroom take into account different types of student learning styles. Student teaching in a biology class has given the author the opportunity to study the learning needs of the students. The participants were given a questionnaire during class asking each student to answer questions that would reflect their preferred style of learning. The students were also asked what methods were used during instruction that satisfied their learning style needs or caused them to struggle. The author then analyzed the data from the questionnaire to determine if the students felt their learning needs were met.

### *Information about the Author:*

Samuel Zucker is better at essay and fill-in-the-blank questions than multiple choice questions. He was wondering if types of learning styles had a correlation to what an individual learns in class and how well he/she does on exams. Since he is planning on being a teacher, he wanted to investigate the types of learning styles and how knowledge is taught so he will be a more effective teacher.

*Faculty Sponsor:* Dr. Del Gillispie

*Student Contact:* [samuel.zucker@valpo.edu](mailto:samuel.zucker@valpo.edu)