

Classroom Observation Log

School: Alexandria City High School.

CTE Course: SEPS 297: Observation & Practicum Fall 2024

Clinical Faculty:

Date: 10/4/2024

Time:

Classroom Observations: 9th and 10th

The class was about a project of a hot wheel car by using OnShape software. This time, I served as the class's teacher. First, I greeted students and started the class with a few questions about the Hot Wheel car, such as what a hot wheel car is, why it is the favorite toy for both children and collectors. Second, I mentioned to students the materials that they need for this project. I showed them a video about how 3D printer software works. After that, I explained to them the differences between the thumbnail sketches and refined sketches. Overall, I provided students all the necessary information and materials that they need for this project to help them start their designs without any difficulties.

Student's reaction to the lesson:

Most of the students became more engaged in this lesson because it was fun. They became more interested in making their designs unique. On the other hand, a few students needed some help. Overall, I think this kind of activity increases students' curiosity and inspires them to learn more.

Best practices Observed:

The best practice that I observed was when I asked the students to conduct research and choose the design that they liked most. Students started engaging and asking questions. I asked them to sketch 5–10 hot-wheel car models on a piece of paper with very light lines as their initial sketches. After that, I let them draw their refined sketches that have more details and included all the dimensions that they needed for designing their cars. I noticed the differences between their initial sketches and refined sketches. I think those were the best steps to make students ready for the final design.

Take Aways:

Students should walk out of this classroom with a better understanding of how a 3D printer works and also the differences between the types of sketches. In addition, students need to have all the necessary materials that they will need to do their project.