

HS IET Plaque Materials Interview

Interviewer: ... that you are using for the lesson.

Teacher: Well, [you need 00:00:04] a computers to generate the lesson plan, and I use a monitor so that it's visible to all students. We do a lot of preparations ahead of time, the students use AutoCaD, they do some laser work, 3D work. They're already build up into the point where I can present them a real world problem, and they come up with an idea. In this case, because there's a short frame, they come up with a sketch instead of using AutoCaD to generate their drawings. Nevertheless, the background and the fundamentals have been developed to the point where we can have them come up with actual designs for a client.

Interviewer: You mean, on the fly, you got to meet that guy down the street, and you got to come up with something quick, right?

Teacher: Yes, you have to be able to think on your feet, but the most part too is trying to get them in teams, and communicating, and being a active part. As you can see, majority of what we're doing, but not everybody is participating, so you got to get to a point where they all feel like they can contribute. That's likely to be very successful in the real world when they have the ability to work as a team, and come up with ideas and solutions to solve problems.

Interviewer: Why did you consider choosing these materials?

Teacher: I choose these materials because I think it reflects on what I believe, and what the state and industry feels that all the knowledge and skills that the students need to be designers in career fields like architectural engineering. To test them out in all types of situations, where they understand industry standards, where they understand processing, where they understand how to be innovative, creative, and of course being able to present their ideas.

Interviewer: What is it that you like about these materials?

Teacher: I like it because one of my key focus on educating students is they're able to be creative and innovative. It's something that I believe should be taught in education. It's something that really focus on the high level to be able to actually create.

Interviewer: Are there any changes you'd make to the materials?

Teacher: Well, I would definitely make changes. I always think it's an ongoing process to improve my focus on a little bit more structure in the lessons. I always believe that preparation is important. The more prepared you are, the more you can focus on other things. One of the things I really believe in, with all my students, is relationship. Making sure that the lesson is well planned gives you more time to work with individual students.

Interviewer: How would you describe these materials as meaningful or relevant to students lives?

Teacher: In the career of designing, we work with all different types of tools. Providing them opportunities to work with the latest technologies, like 3D printers, laser engravers, I really feel give them the exposure to have a better understanding of what is possible that they can create or innovate. It's not too necessarily a point where they're just going to work with the 3D, or the laser for the rest of their career, but it's just a means to have them grasp that innovation is endless.

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