

Transcript of April 5, 2023 Video w/CHS STEM

Hello Kahok Nation. I'm Superintendent Brad Skertich and this week we're in Ms. Szpila's class at the high school with the olympiad team.

Before they share a little bit about what they're working on for the upcoming competition, I want to ask everyone to extend their thoughts to the Covenant School in Nashville, TN.

And as a reminder to all of our students, families and community members, if you have any concerns, questions or ideas about safety and how we can improve, please do not hesitate to reach out. It takes a team effort to do this, and we are here to work together.

Now I want everyone to hear from our Olympiad team at the high school, who are working on a wifi antenna, a timepiece, directions on how to put things together, a mineral test, as well as a scrambler, a bridge and an airplane. It's pretty impressive, but just as a reminder, there are a lot of things going on at Collinsville High School: from athletics to fine arts, and most importantly, our Science Olympiad competition team that's getting ready to go off here in a few days.

Skertich: Alright, introduce yourselves and tell us the purpose of the bridge competition.

Boyd: Hi I'm Me'Onshae Boyd.

Barbosa: I'm Karen Barbosa. And for our bridge, our goal is so that it's a simple design that doesn't weigh much, and it can hold more than what it weighs. And...um... if we can meet that goal, we get a really good score. And we can win.

Boyd: And our goal is 15kg, and we're almost somewhat there.

Dorman: Hi, my name's Gus Dorman. I'm doing the rocks and mineral competition for Science Olympiad. So basically what we do is we have a list of 75 rocks and minerals, I'm looking at right here, these are all in here as well, and basically just have to be able to identify them and describe them - like their hardness, or if their metamorphic, sedimentary or igneous; or like their luster and things.

Skertich: That's good.

Garcia: I'm Guadalupe Garcia. The scrambler is basically a vehicle that we have to build, and towards the end, we have to attach an egg holder that's going to hold an egg. Essentially, we have to build a device that has a braking system that can be adjusted so that we can go a certain distance that in the competition we're going to be given. The objective of the competition is to try to reach the required distance without cracking your egg.

Skertich: Introduce yourself and tell us what you're working on with "directions."

Gutierrez: Hi my name is Fatima Gutierrez. And so, I'm working on "Write it. Do it." So basically, I built this structure, and while I built it, I had to write down the directions on a piece of paper. And my partner, which is my sister in this case, she's going to get the materials needed

to build it, and she has to go off of my instructions, and try to kind of copy the design that I built already. And we're going to see if, like, our communication skills are up for it.

Skertich: As well as the directions. Good, okay.

Stuckey: Hi. I'm Sam Stuckey.

Clayton: And I'm Raven Clayton.

Stuckey: Okay, so, uh...we're a part of the...um...wifi lab for Science Olympiad. The goal of this is to build an antenna that can, uh, produce a signal that goes the farthest - or makes the signal go the farthest. So, uh, this our antenna - it's really great, uh....

Clayton: The best quality.

Stuckey: It is the best quality, obviously. We will attach it to here and attach this to a router, and we'd see how far it goes, based on different trial and errors. You have any questions for us.

Clayton: Maybe how someone forgot the connector?

Stuckey: Shhhhhh.

Gassmann: Hello. My name is Alexis Gassmann.

Torres: Hi. I'm Christian Torres.

Gassmann: And this is the flight competition where we build a plane, and we have to make it fly as long as possible in a circle. So to help it do that, we move the wings forward and backwards, and tilt the tail to make it turn. Ummm...the rubberband on the bottom is used to propel the...to propel the propeller. Um...and, uh, yeah.

Skertich: You want to give us a demonstration?

Gassmann: I can, yeah.

Skertich: As we are about to begin spring break on April 6 through April 10th, with students returning on April 11th, we want to wish all of our students, staff and families a safe and enjoyable spring break with family and friends.

And when we return on April 11th, shortly after that...Legally Blonde kids off in the auditorium on April 13th and runs through the weekend. Don't forget to get your tickets and come out and support not only our olympiads for the science competition, as well as our fine arts students.

Thank you for your constant dedication to our students. Don't forget to wear your purple and show your Kahok Pride!