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### Intel Engineers Design a Future in Engineering for Brookwood Students

BEAVERTON, OR - Diane Brown's 6<sup>th</sup> Grade class at Brookwood Elementary giggled and gasped as they designed a tower during an engineering competition led by Intel engineers Cynthia Kaschub and John Morris. As part of National Engineers Month, Kaschub and Morris got students excited about future careers in engineering.



Kaschub connected things that the students do in their everyday life to engineering principles. From building computers to fixing sports equipment the students could readily see that engineering was everywhere.

After the presentation, Kaschub put their skills to a test. She challenged groups of students to design and construct a tower out of only marshmallows and spaghetti noodles. The students collaborated with one another to design and improve the tower until it was time to test the results.

“Seeing the students engaged with this activity is what it is all about,” said Kaschub. “Showing them that they have what it takes to be an engineer is why I love coming out to the classrooms.”



During the testing phase of the activity, Kaschub applied a package of index cards on top of each tower and expected it to continue standing for thirty seconds. Some towers made it, while others did not. All of the groups had a fun time experimenting and problem solving and a few groups even tried to reconstruct their toppled towers with hopes of making the goal.

At the conclusion of the visit Kaschub encouraged all of the students to continue studying math and science throughout high school and college if they were interested in becoming engineers.

**National Engineers Month** (February) is orchestrated by the **Business Education Compact**, a local non-profit organization dedicated to “make learning real” for Oregon and SW Washington students. In its 17<sup>th</sup> year, the program has enabled more than 325,000 students to have the privilege of interacting with a real engineer in their classroom.

**Intel**, the world leader in silicon innovation, develops technologies, products and initiatives to continually advance how people work and live. Intel believes that young people are the key to solving global challenges, and a solid math and science foundation combined with skills such as critical thinking, collaboration and digital literacy are crucial for their success.

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