Augmented Education

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What is Augmented Reality?

Also called "AR," it's when electronics are used to project animations over what you see. High tech glasses do it best, but phones and tablets can do it too!

What are some sample applications in education?

In the top photo, a student is using a headset to view a bridge designed to cross Main St, Rapid City in real-life size and scale relative to the area around it. Without this utility, the student may not have seen the glaring flaws in this design. As shown to the right, many 3D shapes are difficult to represent in 2D images, but are easy to visualize with our mobile app!
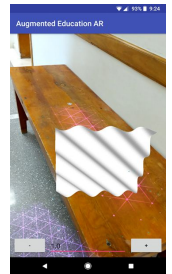
What's the problem?

STEM students are eager to engage with three-dimensional learning in the classroom. Despite phones being an AR device in everyone's pocket, there is no good app for sharing or viewing custom 3D files. On the other hand, these files are easy to download on AR headsets, which offer full immersion and are excellent for lab settings. Unfortunately, file compatibility between platforms is rare.

What would the benefit be?

Being able to interact with 3D media has the potential to accelerate learning, increase retention, and improve conceptual clarity in many disciplines. Next year, instructors across SD Mines will be able to use this platform and observe its impacts in the classroom.

What does the Augmented Education platform do?

We chain together a website, file conversion software, cloud storage, QR code technology, a mobile app, and AR headset compatibility to make everything communicate globally. With our platform in the middle, you can connect anyone in the world to your 3D design with a simple QR code. Imagine the possibilities in textbooks, handouts, and presentations!
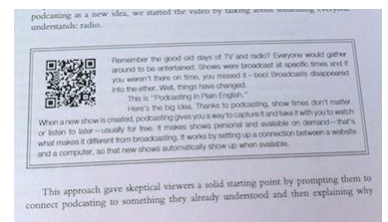
How easy is it to use?

1 — Upload a 3D file

2 — Use QR code in any digital or physical media

3 — Open with any mobile device or AR headset