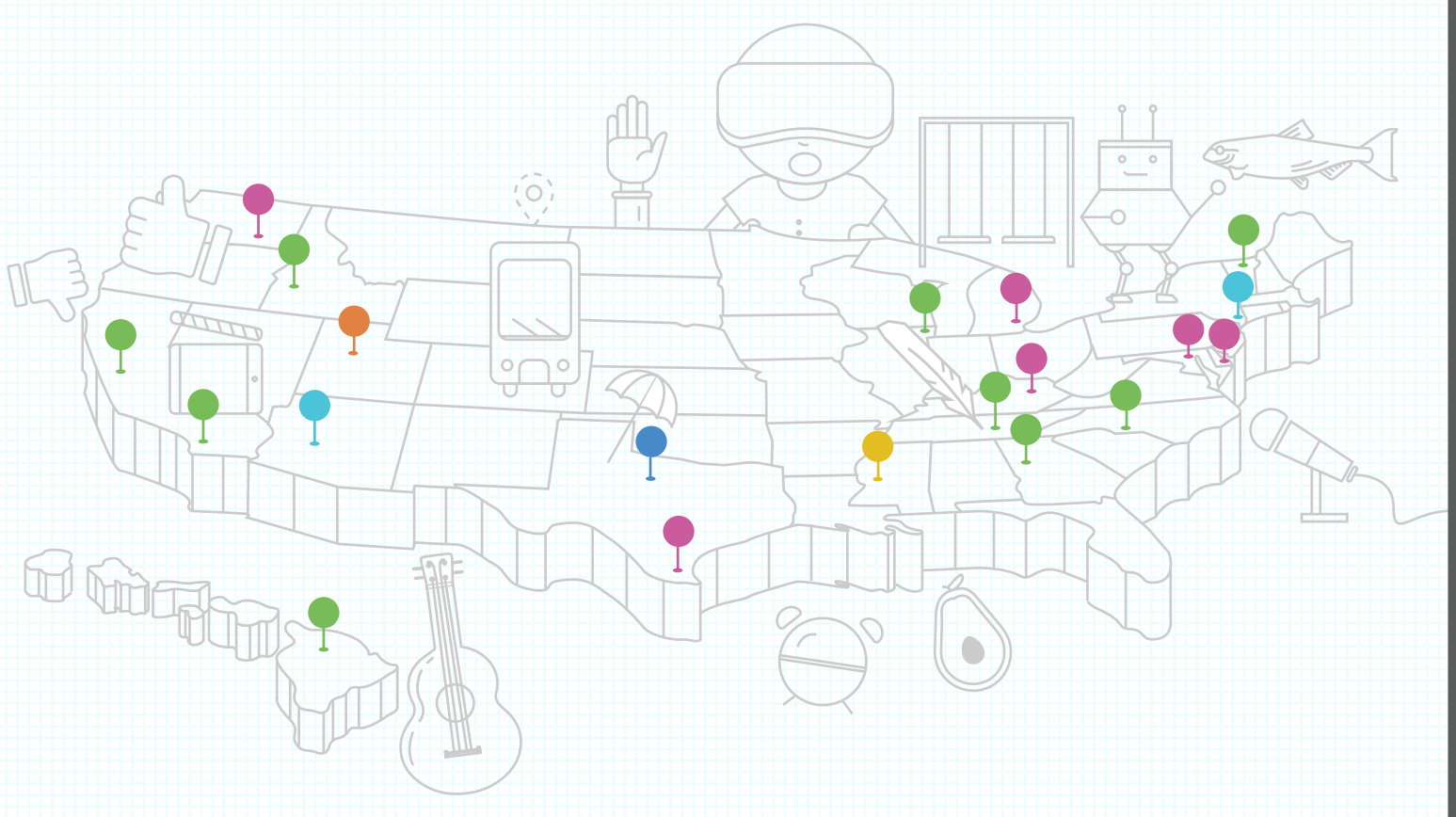
20 Amazing STEM innovations by kids across the United States

- Verizon Innovative Learning app challenge
- Verizon Innovative Learning for young men
- Verizon Innovative Learning for design thinking
- Verizon Innovative Learning schools
- Verizon Innovative Learning labs
- Verizon Innovative Learning summer entrepreneurship experience

Verizon Innovative Learning, the education initiative of the Verizon Foundation, delivers technology and hands-on learning in partnership with leading educational nonprofits.

Through our work in underserved schools, immersive STEM and entrepreneurship programs, and our nationwide app challenge contest, we are giving kids the inspiration and tools they need to become tomorrow's creators. We've reached over 220,000 students so far, and we're just getting started. Explore some of the coolest, most ambitious projects kids have dreamt up with the help of Verizon Innovative Learning across the United States.



Slam poetry
Strawberry Plains, Tennessee

Young poets in Strawberry Plains, Tennessee used tablets to analyze text and develop their own slam poetry styles.

Self-taught cinematography
Vista, California

A young female filmmaker used her Verizon-provided tablet to become a self-taught cinematographer.

Protect our parks
Wyandotte, Michigan

A team of young inventors in Wyandotte, Michigan created an app to identify and fix issues in local parks, to keep them safe for everyone.

The digital dance
Queens, New York

50 female dancers and programmers collaborated on one big dance project to invent a magical performance that incorporated robots, color-changing costumes, specially designed stage backgrounds and timed lighting effects to match the dancers' physical movement and music.

AutBuddy app
Derwood, Maryland

11-year-olds from Clarksburg, Maryland were invited to the White House Science fair to present their app, AutBuddy, which helps kids on the autism spectrum better communicate and stay focused.

Free futuristic technology classes
Colorado Springs, Colorado

Free, interactive labs in El Paso, Texas show kids how to use new technologies like virtual reality, robotics and 3-D pinting.

Rap chorus
Charlotte, North Carolina

A creative music teacher is using tablets in his chorus to help students create and record rap music. The music that students create will be showcased on the school's website.

Number of devices distributed
26,962

Number of students who have participated
220,780

Percentage of students more interested in STEM careers
60%

Pharm Alarm app
Louisville, Kentucky

An all-girl team in Louisville, Kentucky developed Pharm Alarm, an app to help people with memory loss remember to take important medications.

STEM 101
Jackson, Mississippi

In Jackson, Mississipi, minority boys are learning the basics of coding, design thinking and building their first products with 3-D printers.

Genius hour
Meridien, Idaho

Students in Meridien, Idaho use their tablets during Genius Hour, a designated 20 percent of their classroom time, to find their passions and create their own learning plans.

Hello Navi app
Los Fresnos, Texas

An all-girl middle school team had their blind classmate in mind when they designed the app challenge-winning app, Hello Navi. The girls noticed their classmate often had trouble navigating the hallways in school, especially during the hectic few minutes when students were changing classes. The app, which has been aquired by a software company, now helps visually impaired students navigate school campuses across the country.

Met-Tracker app
Phoenix, Arizona

When students kept missing the bus on the way to school, they used their app-building skills to solve the problem. Their idea for a metro bus app provides a realtime tracker so that kids, and everyone else, won't miss the bus.

Math for robots
Evanston, Illinois

Geometry students used iPads and little robots called Sphero to strengthen their geometry skills in math class. The robots' direction is programmed via tablet.
By providing directions to the droids, students also got hands-on practice in real-word geometry.

Safe and Sound app
Kennewick, Washington

As a response to a local school shooting, a team of girls in Kennewick, Washington invented an app to help fellow teens manage stress in depression after traumatic events.

Vroom app
John's Creek, Georgia

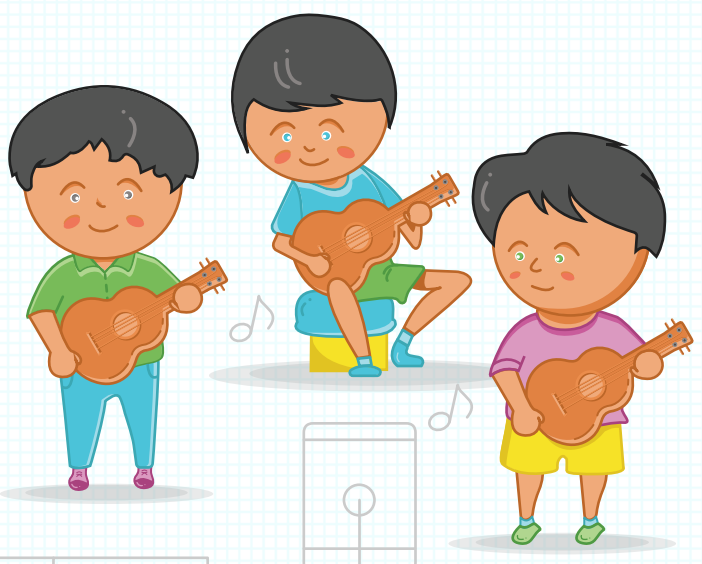
Teens in John's Creek, Georgia were tired of getting stranded, so they invented Vroom, an app to coordinate ridesharing in their community.

Road of life assignment
San Francisco, California

A media arts class in San Francisco, Calfornia is using technology to document and narrate their own personal successes and struggles.

Ukulele pros
Makawao, Hawaii

Three Hawaiian 8th-graders are using modern technology to master classic tunes. They've quickly become strumming sensations on the ukulele. The boys learned their string-instrument skills in a ukulele class at school, and have used apps and YouTube tutorials to master their craft. Since forming the group, they've shared their melodies by uploading their performances online and are teaching younger students how to play, too!



VirDoc app
Wilmington, Delaware

Best-in-Nation app challenge winners in Wilmington, Delaware created the VirDoc app to provide a virtual cadaver alternative for students to dissect and learn anatomy.

Tracking salmon
Burlington, Vermont

Students in Burlington, Vermont created movies, which ranged from light-hearted comedies to short horror films, focused on explaining the salmon migration and the environmental impact human actions have on the fish.

Summer to remember
Austin, Texas

Students with little exposure to technology in high school are provided laptops and a stipend to attend a three-week summer camp on a college campus to learn about entrepreneurship, technology and communications.

To learn how Verizon Innovative Learning is inspiring students to love STEM, please visit verizon.com/inspires.