

Sixth-Grade Winners

Laura MacKenzie

Gardner Bullis School

I stare out the window ahead and watch our car slowly swallow the long, grey road in front of us.

“Cool!” I say. “A deer!”

“Hmmm?” my dad says, not really paying attention. Our WildSafe lights up, warning us of something moving nearby. Seconds later – “You’re going to hit it!” I scream. At the same moment, a red light erupts from the dashboard and a high “Beep!” pierces the air. The car instantaneously slows and comes to a stop, giving the deer time to scamper away to safety. I exhale after realizing I had been holding my breath.

“Sorry,” my dad says sheepishly. “I was busy thinking ...” Shortly afterwards, I hear a soft buzz as microscopic robots fly through the air as fast as the speed of light. I know they will find the deer and embed a tiny microchip in it to help authorities track the animal from then on. What a relief it is that with WildSafe we don’t have to worry about any deer-vehicle collisions.

This invention prevents animal road collisions and tracks wildlife in the area. Such collisions create costly repairs and can be fatal. The device has heat sensors that scan the roads and land surrounding you. Most importantly, if you’re about to hit something, your car will automatically stop. Shape detection technology helps identify the species. If it needs to be tracked, specially designed drones take action. This could be very helpful on country roads and in areas bordering preserves. Collisions are a big problem. In the U.S., 1.23 million deer-vehicle collisions happened from July 2011 to July 2012, resulting in about 200 human deaths a year. If vehicles used WildSafe, people could reduce the number of accidents while keeping record of wildlife numbers and movements in their communities.

Paolo Ferrari

Pinewood School

Can you imagine having a machine that reuses trash that it sucks up to something new or degenerates nonreusable trash with high-tech lasers in a matter of seconds? This is what the Trash Vumer does. The Trash Vumer is a robotic football-shaped trashcan with a ball at the bottom to move itself, and it's equipped with Google sensors that prevent it from crashing or bumping into things. It also has three vacuums to consume trash, and it runs on electricity. Here is an example of how helpful the Trash Vumer can be.

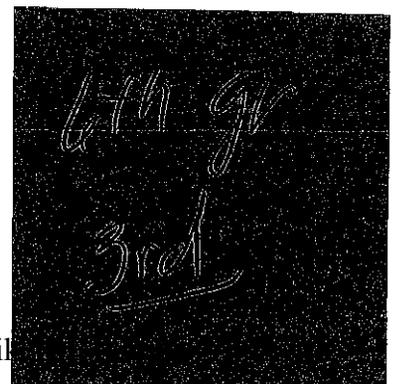
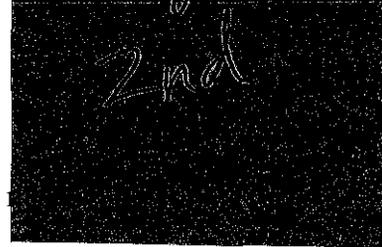
Professor Nidd was walking back to his apartment after work and covered his nose because of the awful smell of cigarette butts and trash lingering fatally in the air. New York was a dirty place. As he turned the corner, he saw the answer to the problem, the Trash Vumer. It was scurrying everywhere, not bumping into things, and destroying trash around it with a zap of a laser or sucking it up with its vacuum cleaners for recycling. Professor Nidd stared in marvel as the Trash Vumer came over and stopped next to him and, to his surprise, opened up. He wasn't sure what to think or do, but then he realized he was supposed to drop his empty water bottle into it. After he did, he went home thinking how the Trash Vumer could help the world become a cleaner place.

The Trash Vumer can do this in several ways. Way number one is the Trash Vumer can help the world by destroying trash. Secondly, it can also always reuse/recycle 80%of the trash it finds. Finally, it can open itself up so you can put trash inside it. In conclusion, the Trash Vumer is a green machine that will make our community cleaner and brighter.

Ritik Sinha

Gardner Bullis

Did you know that texting while driving makes it 23 times more li



and that texting while driving kills an average of 11 teens per day? That is why my invention is the Phone Cam. I need to invent this because people are texting while driving, which can cause crashes. The Phone Cam will make a immense difference and make it much safer on the road. This invention can save lives and prevent bad driving.

The Phone Cam is a camera that will come installed in every car. It is a camera that will watch the driver, and if the driver attempts to use the phone, the phone's signal will be interrupted. The camera cannot be disabled, so everyone will be safe at all times. People sitting in any seat other than the driver's seat will be able to use their phones. The only time the driver can use his or her phone is when the parking brake is on. Even when the handbrake is on, the driver will not be able to use the phone. Every time the car is turned on and moving, the Phone Cam is activated.

The Phone Cam was first used at Los Altos High School. The parking lot was jam-packed with students, visitors and staff, and had many decorations like blue and white banners and signs. We told students there to try and drive while they were using their phones, and we tested people with different phones. Every time the Phone Cam worked and was able to stop the driver from using the phone. Car manufacturers and reporters were delighted that there was a superb product they can install in their cars. As the largest banner said, "Phone Cam Saves Students Lives!"