

Pit #	Team #	Team Name	Project Title and Abstract
12	53	Lego Guards	Sierra EARTH - Emergency Access Real Time Hub A software hub that keeps essential, real-time information moving during emergencies. Because information needs smart moves too!
6	618	Pyromaniac Technobots	Help Reduce Traffic and Pollution – Walk or Bike to School We decided that the one area we could have a strong impact on would be encouraging students to bike or walk to school and providing them with safe routes as well as safe access to the school when biking or walking. Additionally, we researched the environmental impact of reduced traffic.
33	675	WarriorBots	No info provided
27	1336	SCIBOTS	Emergency Response time reduction the SCIBOT way in Bangalore, India. Emergency vehicles in Bangalore get stuck in traffic and can't get to the hospital fast enough resulting in patient's condition worsening and sometimes leading to death on their way to the hospital.
28	1592	Folsom Gatorobytes	Terrible Traffic Trouble The team picked the traffic congestion at Folsom Middle School as the problem. At times, the vehicles overflow the parking lot and clog the main street for up to 3 blocks.
18	1662	RoboVolts	Transforming Transportation for Traffic: Problem: Traffic jams on roads, and auto accidents Solution: Personal Capsules on local roads which board a carriage on highways which travels in designated lines for smooth traffic flow.
42	2229	Los Altos Geek Squad	Cleaner Transportation. We know that solving global warming will require people to use transportation that produces less carbon emissions. To do this we want to people to use bikes for a large portion of the trips they now take by car, as is done in the Netherlands and Copenhagen. To do this we are proposing to repurpose an existing technology to make existing bike paths safer and more accessible.
48	2429	BrickMasters	Commute to Carolyn Clark School Improve the commute of students to Carolyn Clark Elementary School to make the commute more efficient, safe and environment friendly.

Pit #	Team #	Team Name	Project Title and Abstract
14	2619	Mach5	<p align="center">A Smart Form of Transportation</p> <p>The project presents smart forms of transportation from new car improvements to autonomous vehicles, autonomous traffic networks, and intelligent highway information system (www as a form of teleportation device). Our transportation issue of "Spending Many Hours in a Car" relates to the fact that a team members spends a daily average of 94 minutes in a car traveling to meet an expert tennis coach.</p>
45	3042	Invent-A-Bot	<p align="center">TRANSPORTATION SAFETY NEAR SCHOOLS</p> <p>Most schools have traffic problems like accidents and traffic congestion around the school which slowed down the traffic flow and made it unsafe for the kids and pedestrians that walk to school.</p>
37	3331	Short Circuit	No info provided
3	3402	Robochicks	No info provided
47	3562	Supernovas	We picked Road Rage as the topic for our project since it is the most important cause of automobile accidents in the United States. Using sensors that can detect an angry driver, our research can help to reduce road rage accidents.
10	3568	Untitled-1	<p align="center">The Future of Smart Transportation</p> <p>We did our presentation on V2V, or Vehicle to Vehicle Communication. V2V enables cars to transmit important information to each other about the cars surroundings and can help prevent accidents.</p>
4	3731	Robo Chicken Gator Flys of Papayaland	No info provided
19	3858	We Ate the Mat	<p align="center">Increasing carbon free school commuters.</p> <p>We conducted a survey at a local middle school to determine why many students don't already walk or bike. We are implementing a program, staffed by local high school students, which will encourage more middle school students to commute carbon free.</p>
2	3863	Fremont Chunky Monkeys	<p align="center">The Key to Carpooling</p> <p>We incorporate web usage and social networking concepts to increase carpooling and reduce environmental pollution, by creating a website, "Chunky Monkey Vinepool: The Key to Carpooling". On this website, parents can communicate and arrange their children's carpools to after-school activities.</p>

Pit #	Team #	Team Name	Project Title and Abstract
35	3994	M Cubed	<p>Paperless School</p> <p>Our project is centered on creating a paperless school, by a unique and a more efficient way of transferring ideas, utilizing technology available today</p>
34	4009	The Thunderbots	No info provided
41	4081	SAP Flaming Pop Tarts of Doom	<p>Getting the Harker 7th Grade to School</p> <p>Getting 150 kids to and from school has a big impact when the average student travels 10.8 miles each way. After looking at several alternatives, the team thinks Hydrogen Fuel cell cars are the way to go and even built a Hydrogen generator that runs on a 9 volt battery.</p>
16	4131	BananaBots	<p>California High Speed Rail Project</p> <p>California is planning a high speed rail system which has many advantages and some issues. We researched Maglev systems as an advanced technology for California's HSR plan.</p>
25	4514	Legonauts	No info provided
11	4594	Claws	<p>Rolling to School—the SMART way</p> <p>Our project is about traffic congestion around schools. We also focus on attempting to have our community make smarter transportation choices, like carpooling, bike sharing, biking, or walking.</p>
31	4682	SAP Phantom Riders	No info provided
43	4693	SAPPHIRE FORCE	<p>“Bike Zones: A Safer and Faster Way to Get to School”</p> <p>A majority of school kids don't walk or bike to school. Our team's challenge project tries to fix that! The team's solution is to implement a NEW and INNOVATIVE concept called Bike Zones near our Schools. Bike Zones are a Safety Perimeter around a school that will have a defined traffic pattern to make Biking and Walking to school safer. Join the team in its mission on their blog at BikeZonesAtSchools.Blogspot.com.</p>

Pit #	Team #	Team Name	Project Title and Abstract
29	5210	Techno Warriors	<p align="center">Walk to School Day</p> <p>For our research project we were focusing on the " low tech," walking. We found a lot of congestion in front of our school, and we made a solution. We had a walk to school day, and we taught the students that walking to school can be fun and healthy.</p>
36	5213	Tech Transporters	<p align="center">Biking With the Tech Transporters</p> <p>For our research project we did it on bikes. Our community is our school St. Gabriel. In our project we will tell you about our mission to get bike racks back to our school and getting kids to bike to our school.</p>
40	5805	Common Sense	<p align="center">Sanitation Station</p> <p>Over the past few years, many nonnative species of sea life have been introduced to the San Francisco Bay through container ships' ballast water. These nonnative species have not only been killing off native species and destroying the ecology of the bay, but also have become major nuisances in the Bay, often clogging pipes and even slowing the flow of small streams in the area.</p>
30	5855	SmartNavigators	<p align="center">"Slow down the cars before dangerous curves"</p> <p>There was a famous accident where a car flew off bay bridge S curve. Our team came up with a solution to use radar sensor to detect the speed, and magnetic to slow down the car.</p>
20	5915	Folsom Brainstormers	<p align="center">"Folsom – a model city for green transportation"</p> <p>Goal - Accelerate Green Transportation (Energy) Adoption in Folsom improving Safety & Efficiency through Technology while increasing opportunities for employment and sales of local services & goods</p>
23	5932	Whatchamacallits	<p align="center">California High Speed Rail</p> <p>We are researching a possible route for a high speed train through California. We are creating a solution to most of the problems this would create, such as noise, looks, and divided neighborhoods.</p>
13	5945	Lego Rebellions	<p>The transportation issue is people use non-renewable fuels.</p>

Pit #	Team #	Team Name	Project Title and Abstract
32	5969	The Pranksterbots	<p align="center">"Lunch Rush"</p> <p>Students buying a school lunch wouldn't have enough time to finish their meal, let alone enjoy it. Students buying lunch were "transporting their money" to the lunch line, then to Patty (the lunch lady). What we changed is that now the money is transported by the teachers that collect the lunch money in the morning along with the attendance so Patty enters the money into the computer before lunchtime starts and now everyone's lunch is faster.</p>
22	6085	Checkmate	<p align="center">"I Think I Can, I Think I Can"</p> <p>The project proposes a solution based on safe, efficient and cost-effective hover-trains. The project title comes from the inspiring book The Little Engine That Could.</p>
17	6161	Da 1337 Key	<p align="center">Seatbelt Safety</p> <p>We've designed a seatbelt that cuts off the engine if it's not buckled and the engine won't start.</p>
21	6167	iHybrid.rbt	<p align="center">How To Save Energy</p> <p>We discuss how to save energy for cars and boats and their energy sources.</p>
5	6363	Antipodes	<p align="center">Hybrid Magnetic Levitation</p> <p>Our proposal for advancing maglev implementation beyond demonstration projects.</p>
9	6365	Robot Chickens	<p>Our research and project are on smart roads and smart cars, and how vehicles and roads will communicate together to form a smart grid network to more effectively manage highway usage in our community.</p>
7	6421	Mysterious Skeleton Squirrels	<p align="center">Finding Safe and Efficient Ways for Kids to Arrive and Depart School by Car</p> <p>The Mysterious Skeleton Squirrels attend a magnet school in San Jose. Because kids come from all over the city and there is NO parking on campus, the Mysterious Skeleton Squirrels tackled school drop off and pick up as a dire transportation issue in their community.</p>

Pit #	Team #	Team Name	Project Title and Abstract
44	6450	Electric Eagles	We considered Bay Area's Water Transportation Network and problem associated with Levee breaking down in the event of an earthquake.
8	6452	Eco-Extructobots	"Smart Move : Streamlining Traffic at the Intersection near Williams Elementary School." We collected data to study the traffic congestion at the intersection. We analyzed how the crossing guards operate and proposed solutions to streamline the traffic. We informed the school, community, and the city officials of our solutions.
46	6739	Sensory Overload	"Zorb ball - Future of transportation?" Our project is about four main problems of motorized transportation in the U.S. The problems are speed, the environment, safety, and time. Our final solution is to use a zorb ball which is an innovative solution to all the four problems.
26	6821	Stormgears	Shuttle on Demand Shuttle on Demand (our project) is a unique solution that helps the Evergreen community by increasing the efficiency of public transportation, safety of Evergreen residents, and energy conservation by a system with neatly designed shuttles. It also reduces parking problems.
38	6882	4EverGreen	Our project, "What's for lunch?" , targeted the transportation of school lunches and made the delivery routes more efficient to save time and fuel.
15	7201	TeknoBotz	Smart Mail This project is a JEOPARDY! show on email and its dark side, especially viruses. The solution is called "biometric identification" and involves scanning your personal "biometric IDs" to sign in and attaching them to emails.
39	7542	Robopirates	The Stevenson Carline Project We did our project on our school's car line. We timed each car during three experiments, met with a traffic engineer and made changes to the car line to make it quicker.
1	7579	Xbots	Smart Riding can be used to reduce traffic around our school. It can also reduce pollution.
24	7649	WizBotz	Oil Spills Our project proposes solutions to avoid maritime oil spills, a major environmental hazard.