

Procedures of our High School

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High schools are schools for students from grades 9-12, but older schools do not have eco-friendly features. This school aims to be the best because we are built differently. The physical environment of our school is very helpful, friendly, and has a safe environment. It was also inspired by real life schools based on their structure and green features. Students in this school have a high success rate of going to college and teachers are very understanding to students. Our school also has a very healthy and clean environment which can make the school very organized.

Our high school was inspired by Segerstrom High School in Santa Ana, California and Lady Bird Johnson Middle School in Irving, Texas. Segerstrom High has solar panels in its parking lot. The latter middle school actually has small wind turbines! Even though it is not a high school, it still is an excellent example of an eco-friendly school. For instance, there is even a large window in the front of the school, letting in a lot of natural light. The very first thing that we did was create a presentation about green aspects, such as wind turbines, artificial grass, cisterns, and solar panels. We decided to choose wind turbines for our presentation and took two weeks to finish filling out all of the requirements. After presenting the information to the rest of the class, we began to sketch our high school in our Engineering Notebook. Each team member drew a different high school sketch at first, with unique features on each of them, but then combined our ideas into one. Then we sketched our final design of our high school on a large piece of graphing paper as a blueprint. We then continued to plan on what materials we might need for our project.

Our school was designed with concrete walls so it can be more sturdy. The walls are also built with that material for a sturdier structure and to keep it cooler inside. Our roofs are flat, but are designed to tilt a little bit. They have holes on the end of the structure that are connected to long tubes which go to large water storages so there will not be any water leaks going through the roof. The water is recycled, then put into things that use water like toilets, sprinklers, and sinks. Obama High School was designed to help the environment and built

to use less harmful materials. Lastly, the school was built ten miles from a wildlife reservation, so scientists can observe the wildlife around and how to revamp the school's green features.

Our high school has a lot of green aspects including rooftop gardens, artificial grass, and many windows for natural light. The rooftop gardens provide a place for plants to grow in a controlled environment. We have wind turbines which provide a clean, free, and renewable energy source to generate electric power. Our school has many solar panels on the buildings and on the parking lot. We have a lot of windows and they can also open up so that the classroom can get fresh air. These green features can help the school with the maintenance and can reduce the cost of electricity. When you add green aspects to a building it can make the old boring building into a nice looking building. When there's a lot of green aspects it can benefit the school and environment by reducing cost and pollution.

When people enter the school property, they will be presented with many eco-friendly features. When students are more willing to learn because of these aspects, their parents will be more proud of them and the community will gladly fund any necessary eco-friendly projects. It is because they may feel that it is worth it to invest money into making the school greener. We currently have partnerships with many green electricity companies, which will also improve the trust between investors who are willing to invest money into this school. Students are able to concentrate here better than anywhere else because natural light from outside illuminates the classrooms greatly. They will enjoy the sunshine from the sun. Teachers will often entertain students for them to be more willing to learn. The green energy program can also teach students to conserve energy and teach kids how renewable energy sources operate. Our green aspects make this school the most environmentally and friendliest school ever created. It will also save us a lot of money so that we can create more schools like this one in other countries and other states. Finally, there will be field trips that are really fun and educational at the same time.

Learning in this school is very fun, friendly, safe, and exciting. Students will be able to do many activities based on what subjects they are learning. They also have a five minute break during each class period to eat a snack, or use the

restroom, or just take their mind off school work and just relax to relieve any stress. Typical days in this school also are very recreational as you can choose who you want to go to class with. Besides, the days are very fun as the school provides lots of free food and other things such as computers that you have to return by the end of the day. Typical days are also very friendly as we do not expect bullies.

Some reusable energy sources at the school include wind turbines, artificial grass, rooftop gardens, and natural light. With these, the school does not just save money and energy but also has positive effects on the students. It is a very friendly school where everyone is very respectful and is willing to be your friend. The school helps you make stronger relationships with your teachers and peers as there is a be my friend classroom where you can make friends. Another way our school helps build stronger relationships with the teachers and the community by having a class where you will learn to be respectful and responsible.

When there is more natural light into the classrooms, students are more likely to be concentrated. Sunshine from outside can give students essential vitamins like Vitamin D. It can improve their physical and mental health by giving them nutrients. Many students arrive at school via bus or car, but it is built close enough to houses, so biking is allowed. The main type of transportation is electric buses as it is provided by the school for those who don't have any sort of transportation. Since electric vehicles don't produce too much pollution, it is friendlier than vehicles that run on gas. The school buildings are built out of concrete, brick, and some wood, which are all eco friendly. The school buildings are also painted light gray and purple. It is made out of concrete with a rough texture on the outside. Since there are a lot of windows, a lot of natural light enters the building and people don't have to turn on lights, and that would save a lot of energy and money. Mainly the sun and wind are renewable to power the buildings via solar panels and wind turbines. It preserves the environment because electricity being generated usually comes from power plants, even to this day! When using wind turbines and solar panels, the power does not have to come from a method that harms the environment.

To conclude, this school is eco-friendly and is a friendly learning environment because students need a safe place to learn and feel comfortable. The biggest challenge was to name the high school and build some parts of it, especially the main school building. One thing we learned while doing this project was to learn how to properly use a hot glue gun. If we could restart our project, something our team would have done differently is glue it nicer and to divide work up for our teammates. This project was enjoyable, interactive, interesting, full of new interesting information, and just overall an exquisite project. We would like to do something like this someday in high school. We just think it was so cool how each person can show their ideas and communicate to agree on something for all of the team.