



PROJECT GREEN SCHOOL

PROJECT VALUE: 100 PTS
INDIVIDUAL: 80 PTS
GROUP: 20 PTS

CREATIVITY IS BIOTIC

It is a fact that buildings and structures account for more than 34% of all energy consumption on this planet. With some of the simplest, off-the-shelf technologies we can reduce the carbon footprint of buildings and structures by nearly 90%! The best ideas come from creative and innovative minds throughout all walks of life and from many different age groups. Your challenge is to create a school that is *carbon neutral* as well as being a great place to learn and participate as a member of a 21st century learning community. Think of the lines from *The 11th Hour*, “What if you were to design a city like a forest?”, “There’s the model in nature, there is no waste in nature; one organism’s waste is another’s food.” With your design team, come up with revolutionary designs for classrooms, cafeterias, common areas, gymnasiums, and more. A sustainable future must happen and we must act quickly! Contribute your *pixel* to this incredible mosaic of sustainable living! **Your individual grade is based upon the design and model for one area/building from the choices below. Your group grade is based upon common design among all members of your team. See Mr. Tate or www.biotate.com if you have any questions.**

AREAS/BUILDINGS TO DESIGN

- Sciences & Ag., Math, English, Social Studies, Stadium, Gym & Weight-room, Cafeteria, Administration Offices, Library, Performing Arts Center, Common Areas, Fields, and Parking.

GRADING RUBRIC

- You must create a visual aide for your design either a drawing or a 3-D Model (20 pts)
- Written description of your design that is highly detailed (40 pts)
- A clear reduction in habitat impact (20 pts)
- ! Extra Credit for presenting ideas (10 pts)