



Charlotte County Public Schools (CCPS) has hired you and your team, which is made up of world-renown transportation engineers, to solve 3 transportation problems. Occasionally, their buses are late due to getting stuck in traffic on our streets and bridges, particularly when the snowbirds are in town. The students would like the buses to be comfortable, updated to handle their needs and fun. Bus passenger numbers need to be taken into account. Finally, as always, safety is the number one consideration.

Your team's job is to design the ultimate school bus. It should be capable of multiple functions over land, air and water (be buoyant, aerodynamic, quadcopter-ready, and have an efficient engine or power source with inexpensive fuel that is kind to our environment; as well as the best technology etc.) All manners of transportation should be researched and utilized accordingly.

Charlotte County Public Schools will expect a professional presentation with CAD drawings and excellent descriptions at a date TBA. They will want to know your design's strengths and weaknesses.

Enjoy the challenge of designing a school bus that improves the riders' experience; increases the school bus's efficiency and safety; and might be a little whimsical!

