

Series 2 - Background Information

Series 2 of the Global Problem Solvers is set in Tampa, Florida, in the United States.

Some facts about Tampa:

- Tampa is a major city in Florida.
- In 2018, Tampa had a population of 392,890.
- The highest point in the city of Tampa is only 15 metres above sea level.
- The climate in Tampa usually features hot and humid summers with frequent thunderstorms, and dry and mild winters.
- Tampa is threatened by hurricanes almost every hurricane season.



The Global Problem Solvers

The Global Problem Solvers (GPS) are a team of problem solving teenagers from around the world who come together to solve real-world social problems. The team are Adrien, Beela, Cristina, Kelile, Putri, and Satoshi. They are teenagers who each possess a unique skill to solve social problems.

The individual skills and qualities that the GPS team have are:

1. Beela, Digital skills
2. Adrien, Creativity
3. Satoshi, Critical thinking
4. Kelile, Social consciousness
5. Cristina, Entrepreneurial spirit
6. Putri, Teamwork skills

Tampa and The Global Problem Solvers

In Series 2 of the Global Problems Solvers, the team is called to help local communities after a massive hurricane hits the Gulf Coast of the United States and damaged areas of the city of Tampa, in Florida. The storm damage includes power cuts and flooding to many parts of the city, including in schools around the city. This has meant that students are unable to go to school. Teachers and principals would like to start classes for students but are unable to do so without a safe space to do it in, without electricity for lighting and without the internet for students to access coursework and to collaborate.

The GPS team are given the task of investigating this issue, and working together to develop a solution. The team proposes an emergency classroom kit that allows teachers to create a “pop-up” classroom at a shelter. The kit will include lights, internet hardware

for accessing course material and solar panels.

The kit will be delivered to communities cut off by flooding by monster trucks who are in town for a monster truck rally. The trucks will advertise the rally while delivering kits throughout the Tampa region.

Steps to a Solution

The GPS team followed a series of steps in generating and implementing their solution. These steps are:

- Teamwork - The GPS team came together and spent time getting to know each other's skills and qualities, and understanding how these skills and qualities could contribute to the team.
- Problem Finding - The GPS team undertook research to find out what the problem was.
- Problem Solving - The GPS team worked collaboratively to generate a solution.
- Technology - The GPS team explored how technology could be used in their solution, and thought about the risks associated with using technology.
- Test and Retest - The GPS team test their idea to find out if there are any weaknesses in their solution and then make improvements based on their findings.
- Business Plan - The GPS team make a business plan to show they have thought about how their idea could be a success and to attract funders.