

Samsung Solve for Tomorrow Project Plan

Please outline how you and your team will execute your solution to address the contest challenge:
[“Show how STEAM can be applied to help improve your local community.”](#)

Concept overview:

Describe the community issue/problem you have identified.

Describe the solution you have selected to develop further. Provide details on how you will use STEAM in this solution. (200 words max)

(Abbreviated Example: Living in an area with a water shortage puts a lot of strain on the students and the surrounding community. The main idea of the project is to develop a greywater storage system to counter severe water shortages within the local community. We will use physics principles, design methods, and environmental studies to come up with the best solution.)

Activities:

Please describe in detail the objective of your project and the activities you will participate in to achieve your project objective. (200 words max)

(Abbreviated Example: The objective is to develop a greywater storage system to counter severe water shortages within the local community. To achieve this, students will go on a trip to a local water treatment plant/University to meet with professionals in the field of water filtration. Students will conduct research, map their data and observe if patterns exist. Students will then compare different variations of water filtration and construct a working prototype of the greywater containment unit. Students will test the prototype with different user groups and use feedback to review their prototype design.)

Community impact:

What improvements will your local community expect to see from this solution? (200 words max)

(Abbreviated Example: Developing a greywater collection programme will help relieve daily stress and financial difficulties faced by the community as a whole. We anticipate that as a result of our activity, we can save \$X in the experiment and show an overall community impact of helping Y (# of) families. We anticipate that these families will save an average of \$Z as a result of our system. This plan can save money while increasing the availability of our most precious natural resource. We will also reach out to users to get feedback on the improvements they will expect to see.)

Assessment:

What are the assessments you will put in place to measure pre, during and post project? What tangible result can be produced within the contest timeframe? (200 words max)

(Abbreviated Example: Students will have successfully constructed a functional prototype of the greywater filtration system and can fully explain how it operates. We plan to develop a full storyline if asked to video our activity to show the full spectrum of our project from conception to working prototype. If given the opportunity, we will produce proven data as to how we were able to benefit our community with our greywater system. We will also use user feedback as a form of assessment of the effectiveness of our solution pre and post project.)