



Each year Samsung hosts a **\$2 million national competition** where students are asked to consider how science, technology, engineering and math (STEM) can be used to create change in their communities. With the help of their teachers, students can apply to the contest and compete to win \$100,000 in prizes for their school, plus the opportunity to **work with Samsung employees to develop their prototypes**. Through the Solve for Tomorrow competition, teachers have the opportunity to teach Problem-Based Learning (PBL) to students by challenging them to find a solution to a problem impacting their community.

## How do teachers get started?

- Visit [www.Samsung.com/solve](http://www.Samsung.com/solve) and take the first step by signing-up to become a part of the competition.
- To qualify, you must be 21 years or older and employed by a public middle or high school in the US.
- Once you have registered, talk with your students about the program and ideate around problems in the community they are passionate about.
  - Start populating a list of any problem ideas your students' come up with
- Throughout your ideation with the students, define a least three societal problems in your community that your team is interested in solving.
- When your team has selected the problem, go back to [www.Samsung.com/solve](http://www.Samsung.com/solve) and "Apply" to the contest.
- You will start by answering a question defining the problem your students would like to address and the proposed solution you have come up with as a team.
  - The solution may go through many iterations as you test and refine your prototype, but the problem you are solving should remain the same throughout the competition
- We encourage you to utilize the help of your students as you discuss the problem and how you can solve for their community concern.
- You will answer 3 questions in your application:
  1. What is the school/local community challenge that your students have identified?
  2. What is your students' STEM solution to the challenge that they have identified?
  3. How will your students ensure that their STEM solution is sustainable?

Once you have completed answering the 3 questions, you are ready to submit you full application to be reviewed by the judges.

- It's time for Problem-Based Learning, and it will be inspiring to watch the students' creativity come to life!

## Creating a Project Statement

- Start by explaining the problem and why it matters, help students understand WHY they should care about this problem.
- Describe what students are solving through the Problem statement/question.
- Tell us how and who this problem impacts and propose a solution and explain the benefits of your solution.
- It's always important that you can back up your claims with accurate and factual statistics or anecdotes as you continue developing your solutions.

## Tools to use in your classroom

- Google docs/Hyperdocs
- Collaborative tools:
  - Jamboard
  - Easy Retro
  - Padlet
  - Menti
  - PHET simulations
  - Trello or SCRUM for project management
  - Nepris
  - Virtual field experiences
  - Bringing in virtual experts into your classroom so students can learn from them
  - TinkerCad

Follow us on social media to stay in the know about the competition and tag us in your project journey with **#SamsungSolve** and **@SolveforTomorrow** on Facebook and Instagram!