

## Step 1. Identify Challenges

Thoroughly read and discuss the future scene. Generate and type **8 key challenges** in the spaces provided; use clearly worded sentences, not questions. You have two (2) hours to complete the booklet. Text boxes will expand as you type. The use of any outside sources for research other than the Future Scene and this booklet during the competition is prohibited. Each challenge is limited to a length of 1000 characters.

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### Do Not Identify Yourself or Your School in Your Booklet

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## Step 2. Determine an Underlying Problem

Based on the challenges you listed in Step 1, identify one of major importance. Type your Underlying Problem in question form, begin with a condition phrase and include the stem, "In what ways might we ... ?" or "How might we ... ?" Your problem should clearly explain what you want to do and the reason it should be done. Only type in the space provided. The box for the Underlying Problem will expand.

To show a connection between Steps 1 and 2, identify by number the Step 1 challenge(s) from which your Underlying Problem was developed.

Challenge #(s):

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## Step 3. Solution Ideas

Produce as many solution ideas as you can. Type your **8** most promising solutions in the spaces provided. Type each solution in a sentence statement describing **who** will carry out **what** action, **how** it will be done, **why** it will solve the problem, and **where** and **when** it will take place. Text boxes will expand as you type. The use of any

outside sources for research other than the Future Scene and this booklet during the competition is prohibited. Each challenge is limited to a length of 1000 characters.

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#### Step 4. Generate and Select Criteria

Generate criteria to help you decide which solution idea, among the ideas from Step 3, does the best job of solving **your** Underlying Problem. Select the five criteria you think are the most important for measuring your solution ideas and type them in the space provided. Each criterion should have a different focus. Only type in the space provided.

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#### STEP 5. Apply Criteria

From the solution ideas written in Step 3, select the 5 ideas with the most potential to solve the Underlying Problem and list them on the grid. Use each criterion to rank the solutions on a scale from 1 (poorest) to 5 (best). The numerical ranking for one important criterion may be doubled.

| Step 3<br>Sol'n | Solution Ideas | Criteria |   |   |   |   | Total |
|-----------------|----------------|----------|---|---|---|---|-------|
|                 |                | 1        | 2 | 3 | 4 | 5 |       |
| #               |                |          |   |   |   |   |       |
| #               |                |          |   |   |   |   |       |
| #               |                |          |   |   |   |   |       |

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**Step 6. Develop an Action Plan**

The last task is to develop your solution idea into an action plan. Explain what the solution/plan will do, how it will work, why it will solve your Underlying Problem, and how it relates to the future scene. Only type in the space provided. You have 7500 characters to type your completed AP.

Include a description of your action plan and how it will carry out the solution idea. You might consider some of the following concerns: Who will be involved? What actions will be taken? When and where will the plan be carried out? How will each criterion be significant? How might you overcome any obstacles?