

Practice Problem 1 Team Booklet Entry

Step 1 - Challenges *(Problems, concerns, and opportunities suggested by the future scene)*

Our team brainstormed possible challenges that COULD LIKELY ARISE because of situations in the future scene or conditions that CAUSED situations to occur. Here are our top 8:

#1 comes from line(s) _____ in the future scene. Here is the challenge:

This is why we think this challenge is likely to have a negative or favorable consequence:

#2 comes from line(s) _____ in the future scene. Here is the challenge:

This is why we think this challenge is likely to have a negative or favorable consequence:

#3 comes from line(s) _____ in the future scene. Here is the challenge:

This is why we think this challenge is likely to have a negative or favorable consequence:

Step 1 - Challenges (continued)

(Problems, concerns, and opportunities suggested by the future scene)

*Possible challenges that **COULD LIKELY ARISE** because of situations in the future scene
or conditions that **CAUSED** situations to occur*

#4 comes from line(s) _____ in the future scene. Here is the challenge:

This is why we think this challenge is likely to have a negative or favorable consequence:

#5 comes from line(s) _____ in the future scene. Here is the challenge:

This is why we think this challenge is likely to have a negative or favorable consequence:

#6 comes from line(s) _____ in the future scene. Here is the challenge:

This is why we think this challenge is likely to have a negative or favorable consequence:

Step 1 - Challenges (continued)

(Problems, concerns, and opportunities suggested by the future scene)

*Possible challenges that COULD LIKELY ARISE because of situations in the future scene
or conditions that CAUSED situations to occur*

#7 comes from line(s) _____ in the future scene. Here is the challenge:

This is why we think this challenge is likely to have a negative or favorable consequence:

#8 comes from line(s) _____ in the future scene. Here is the challenge:

This is why we think this challenge is likely to have a negative or favorable consequence:

Step 1 Review Checklist

- ___ All challenges are worded as possibilities (may, might, could).
- ___ Each challenge is different from all others. None are similar in context.

Time Check: Our team has consumed _____ minutes of 120 minutes at completion of step 1.

Identifying the Charge

Our team has been exploring any and all challenges suggested by the future scene. Now, however, we must focus only on issues and situations that the future scene directs us to investigate. Here is the future scene charge that specifies and limits the areas of concern that we can develop into an underlying problem:

Step 2 - Underlying Problem
The challenge our team chooses to tackle

Condition Phrase

Our team selected Challenge(s) # _____ to solve.

Here is the concern in the future scene that sparked our interest in this challenge:

Key Verb Phrase

We want to solve this challenge by carrying out the following action:

How might we _____

Purpose

By solving this key verb phrase, we hope to achieve the following beneficial outcome:

Future Scene Parameters

We based our underlying problem on the future scene which deals with the topic of _____.

The future scene requires us to provide a solution to our underlying problem by the time period of _____

_____ in the following location: _____.

Step 2 Review Checklist

- ___ Our underlying problem is based on the future scene's charge.
- ___ Our key verb phrase identifies one (and only one) concern to solve.
- ___ Our key verb phrase is flexible rather than absolute.
- ___ Our purpose identifies a single intention for the success of our key verb phrase.
- ___ Our underlying problem focuses on a significant challenge without attempting to solve all the future scene's issues.
- ___ We can come up with 8 good solutions for our underlying problem.
- ___ Our underlying problem deals directly with the future scene's topic.
- ___ Solving our underlying problem will have a major positive impact on the future scene.

Time Check: Our team has consumed _____ minutes of 120 minutes at completion of step 2.

Step 3 - Alternative Solutions

Proposals for solving the underlying problem

Our team brainstormed solutions to our underlying problem and selected the best ones. Here are our **top 8** proposals:

#1 will be accomplished by

Here is what will be done:

To elaborate, here is how and/or why it will work:

#2 will be accomplished by

Here is what will be done:

To elaborate, here is how and/or why it will work:

#3 will be accomplished by

Here is what will be done:

To elaborate, here is how and/or why it will work:

Step 3 - Alternative Solutions (continued)
Proposals for solving the underlying problem

#4 will be accomplished by

Here is what will be done: _____

To elaborate, here is how and/or why it will work: _____

#5 will be accomplished by

Here is what will be done: _____

To elaborate, here is how and/or why it will work: _____

#6 will be accomplished by

Here is what will be done: _____

To elaborate, here is how and/or why it will work: _____

Step 3 - Alternative Solutions (continued)
Proposals for solving the underlying problem

#7 will be accomplished by

Here is what will be done: _____

To elaborate, here is how and/or why it will work: _____

#8 will be accomplished by

Here is what will be done: _____

To elaborate, here is how and/or why it will work: _____

Step 3 Review Checklist

- ___ All solutions are worded as proposals (not possibilities).
- ___ Each solution specifically “solves” our underlying problem.
- ___ Each solution is distinct from all others. None are similar in context.

Time Check: Our team has consumed _____ minutes of 120 minutes at completion of step 3.

Step 4 - Criteria for Evaluation
Standards for judging the quality of alternative solutions

Our team began Step 4 by brainstorming major future scene stakeholders:

We brainstormed questions to measure the quality of our solutions based on our underlying problem.
Here are our **top three** criteria questions:

#1 – Which solution _____

#2 – Which solution _____

#3 – Which solution _____

Step 4 Review Checklist

- ___ Each question contains a superlative.
- ___ Each question is phrased to reveal the highest ranking score for that criteria.
- ___ Each criteria explores a singular issue.
- ___ Each criteria is targeted to a separate aspect of this future scene.
- ___ Each criteria specifically deals with the stakeholders in our underlying problem.
- ___ Each criteria has detailed information that links it to our key verb phrase and purpose.

Time Check: our team has consumed _____ minutes of 120 minutes at completion of step 4.

Step 5 - Applying Criteria

Rank ordering alternative solutions based on evaluation criteria

Step 3 Solutions	Solution Ideas	Criteria			Total
		1	2	3	
#					
#					
#					
#					
#					

Step 5 Review Checklist

___ Addition has been checked and is correct.

___ We resisted the temptation to “rig the grid” to select one solution over another.

Time Check: Our team has consumed _____ minutes of 120 minutes at completion of step 5.

Step 6 - Action Plan
Implementation of the best solution

This is our plan for carrying out our underlying problem.
The evaluation grid indicates that our best solution is # ____.

Here is what will be done, who will do it, when, and where:

These are possible obstacles and how we plan to overcome them: _____

This is how our plan solves the underlying problem and make a positive impact on the future scene:

Step 6 Review Checklist

- ___ The plan “sells” the solution.
- ___ The plan is clear and well-written.
- ___ The plan expands the solution idea(s) with rich and specific detail.

Time Check: our team has consumed _____ minutes of 120 minutes at completion of step 6.