



Global Nations International Climate Summit (GNICS)

Social Studies

Goal: Students participate in the Global Nations International Climate Summit (GNICS) simulation forum to discuss their decision-making process regarding their country's mitigation/adaptation choices.

Objectives: Students will ...

- Discuss a variety of mitigation/adaptation options with their country
- Use criteria to rate two potential solutions to their problems that are possibly related to climate changes
- Use a Decision Grid to determine the top mitigation/adaptation choice for their country

Materials (For a class of 30):

- Additional resource materials about mitigation, prevention, or adaptation (see resource guide or do an online search)
- 30 GNICS – Student Sheets
- 10 GNICS – Possible Solution overhead transparencies (1 for each country)
- 10 GNICS – Possible Solution Sheets (1 for each country)
- 10 GNICS – Criteria overhead transparencies (1 for each country)
- 10 GNICS – Criteria Sheets (1 for each country)
- 10 GNICS – Decision Grid overhead transparencies (1 for each country)
- 10 GNICS – Decision Grid Sheets (1 for each country)
- 10 overhead transparency markers (1 for each country)
- 10 GNICS – Presentation Rubric for students to look over (1 for each country)
- 1 GNICS – Chairperson script
- 10 metric rulers
- Optional Technology Components (computer, PowerPoint software, digital video camera, computer projection system, connection to the Internet)

Time Requirement: Three, 45-60 minute class periods

Standards Met: LA3, LA4, LA5, LA7, S2, S7, M8, M11, M16, E2, E3, G2, G5

Procedure:

PREP

- Arrange for principal or other volunteer to come as the GNICS Chairperson.

DAY ONE

- Have students get into their country groups.
- Hand out one GNICS – Student Sheet to each student and review together.
- Pass out one copy of the Possible Solutions sheet, Criteria sheet, Decision Grid sheet and Presentation Rubric to each of the countries.
- Have each country take out their criteria they wrote for their country during the *Identifying the 3Es and Writing Criteria* lesson.

- Working with their country, students need to brainstorm two potential solutions to their country's problems that potentially relate to climate change.
- Remind them that they can create an alliance with other countries for mitigation/adaptation choices, if needed, or their solution can contain a combination of mitigation/adaptation choices.
- Have each country briefly describe their two solutions on the Possible Solutions Sheet.
- Have each country transfer the criteria they previously selected during the *Identifying the 3Es and Writing Criteria* lesson to the GNICS – Criteria sheet.
- Using these criteria, each country has to rate their two possible solutions using the scale provided.
- Once they have rated the solutions, each country needs to complete the Decision Grids on the GNICS –Decision Grid sheet using the averages of each of the 3Es.
- Have all the countries calculate the area of each triangle similar to what they did during the *Triangle Triage* lesson to determine the most sustainable solution.
- Once that is complete, they need to start preparing their presentation about the solution that is the most sustainable for their country.

DAY TWO

- Allow time in-class for groups to create and practice their presentation.

DAY THREE

- You or the Chairman of the GNICS will need to follow the GNICS – Chairperson Script to call the Summit to order and hear from each country.
- Call on each country to present their two potential solutions and their final, most sustainable choice.
- Compare and contrast countries that have chosen the same mitigation/adaptation options.
- Discuss with students whether their solution will work in isolation or whether all countries in the world will have to be a part of the solution.

Assessment:

- Global Nations International Climate Summit – Presentation Rubric
- Participation in the Global Nations International Climate Summit



Global Nations International Climate Summit – Chairperson Script

Order!

Order!

I bring this First Annual Global Nations International Climate Summit to order.

Welcome Global Nations!

As you are aware, the climate around our world is changing. You have had to examine the climate changes in your country as well as investigate the probable causes and determine your country's best options for mitigating these causes.

I now call upon (name of a country) to present their findings to everyone.

**Have each country come up one by one and make their presentation.

- Ziralia
- Infirdiddy
- Yanikia
- Napinsany
- Westmoasa
- Coolandria
- Gamtulala
- Nichicia
- Ebaliza
- Unstattica

Thank for all of your hard work! Your leadership will lead our world into a bright future!

This GNICS is dismissed!



Global Nations International Climate Summit – Student Sheet

Name _____ Date _____

1. With your country, discuss the many different mitigation/adaptation options and brainstorm two potential solutions to your country's climate concerns. Give a brief description of each solution on the Potential Solutions page. Don't forget to consider discussions with other countries for possible alliances or that your solutions could be a combination of choices.
2. Use your criteria that you wrote in the *Identifying the 3Es and Writing Criteria* lesson to rank your two solutions for each "E" of sustainability for your country and fill in the chart on the GNICS – Criteria chart.
3. Using the GNICS – Criteria sheet, complete the GNICS-Decision Grids on your two solutions. Calculate the area of each of the inner triangles.
4. Determine the most sustainable choice for your country based on your results.
5. Prepare a five-minute presentation. Your presentation should including the following:
 - Explain the climate concerns occurring in your country
 - Discuss your criteria you chose to rate your two solutions
 - Explain your two potential solutions
 - Show the criteria and Decision Grids for each solution on the overhead transparencies (or other optional method)

Note: Instead of using overhead transparencies, your presentation can be in the form of a skit, PowerPoint presentation, You Tube type video or any other appropriate format. Be creative!

- Explain your final potential solution recommendation
- Be prepared to answer any questions from other countries

*All country members should participate in the presentation

6. Your teacher will grade your country's presentation using the Global Nations International Climate Summit – Presentation Rubric.



Global Nations International Climate Summit – Potential Solutions

Climate Concerns:

Solution #1:

Solution #2



Global Nations International Climate Summit – Criteria

Rating Scale:

- 3 - Meets all, or nearly all of the criterion
- 2 - Meets most of the criterion
- 1 - Meets some of the criterion
- 0 - Meets little, if any of the criterion

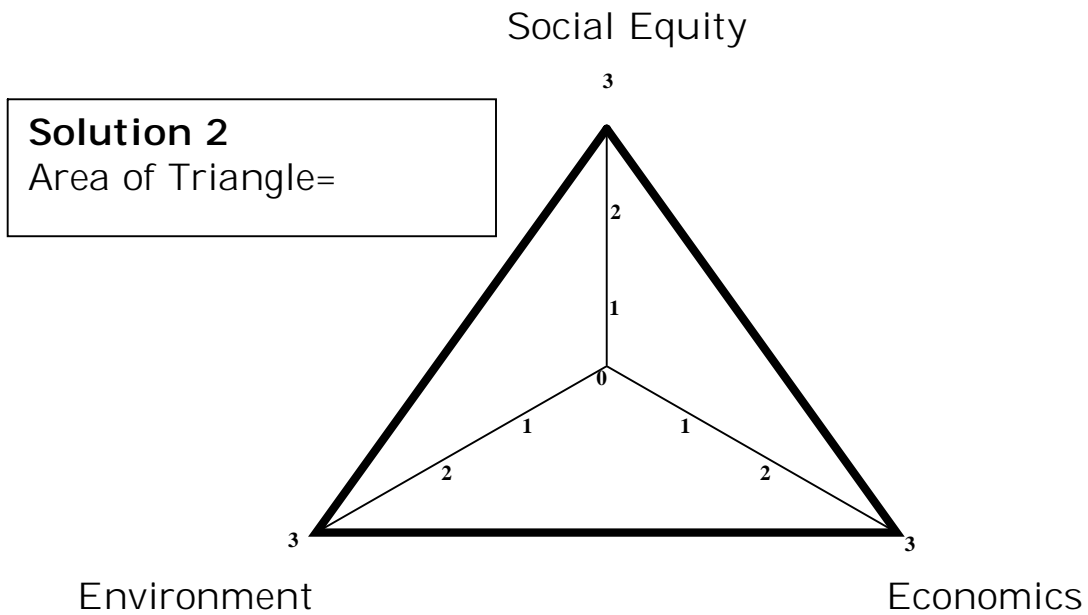
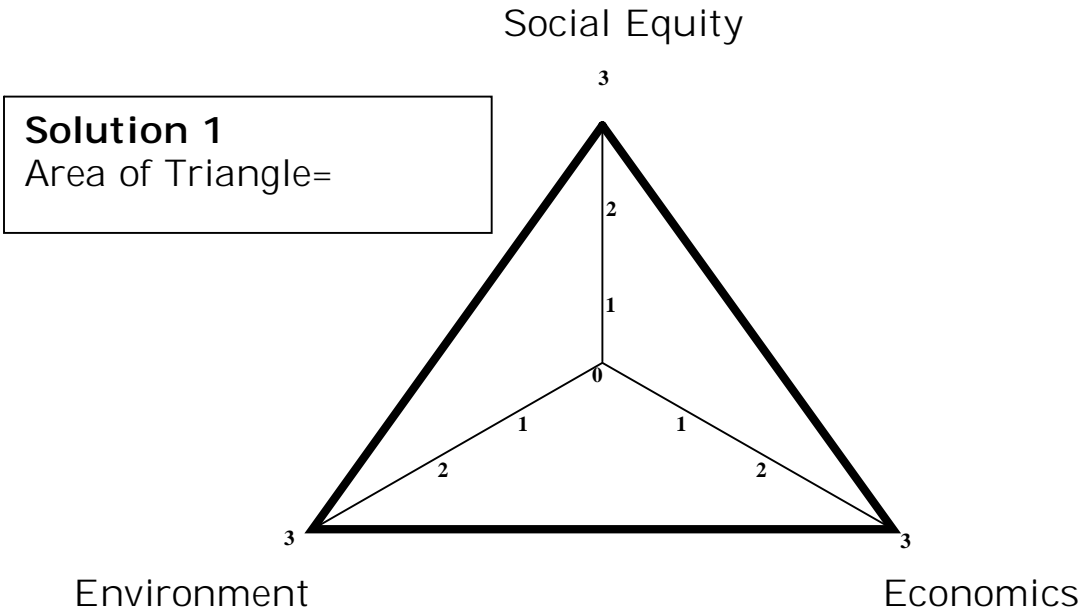
Topic:

Determine the most sustainable solution

	Solution 1	Solution 2
Environment		
Criteria	Ratings	Ratings
AVERAGE RATING:		
Social Equity		
AVERAGE RATING:		
Economics		
AVERAGE RATING:		



Global Nations International Climate Summit – Decision Grids





Global Nations International Climate Summit – Student Sheet

Name _____ Date _____

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2. Use your criteria that you wrote in the *Identifying the 3Es and Writing Criteria* lesson to rank your two solutions for each "E" of sustainability for your country and fill in the chart on the GNICS – Criteria chart.
3. Using the GNICS – Criteria sheet, complete the GNICS-Decision Grids on your two solutions. Calculate the area of each of the inner triangles.
4. Determine the most sustainable choice for your country based on your results.
5. Prepare a five-minute presentation. Your presentation should including the following:
 - a. Explain the climate concerns occurring in your country
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 - c. Explain your two potential solutions
 - d. Show the criteria and Decision Grids for each solution on the overhead transparencies (or other optional method)

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- e. Explain your final potential solution recommendation
 - f. Be prepared to answer any questions from other countries
- *All country members should participate in the presentation
6. Your teacher will grade your country's presentation using the Global Nations International Climate Summit – Presentation Rubric.



Global Nations International Climate Summit – Potential Solutions

Climate Concerns:

Solution #1:

Solution #2:



Global Nations International Climate Summit – Criteria

Rating Scale:

- 3 - Meets all, or nearly all of the criterion
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- 1 - Meets some of the criterion
- 0 - Meets little, if any of the criterion

Topic:

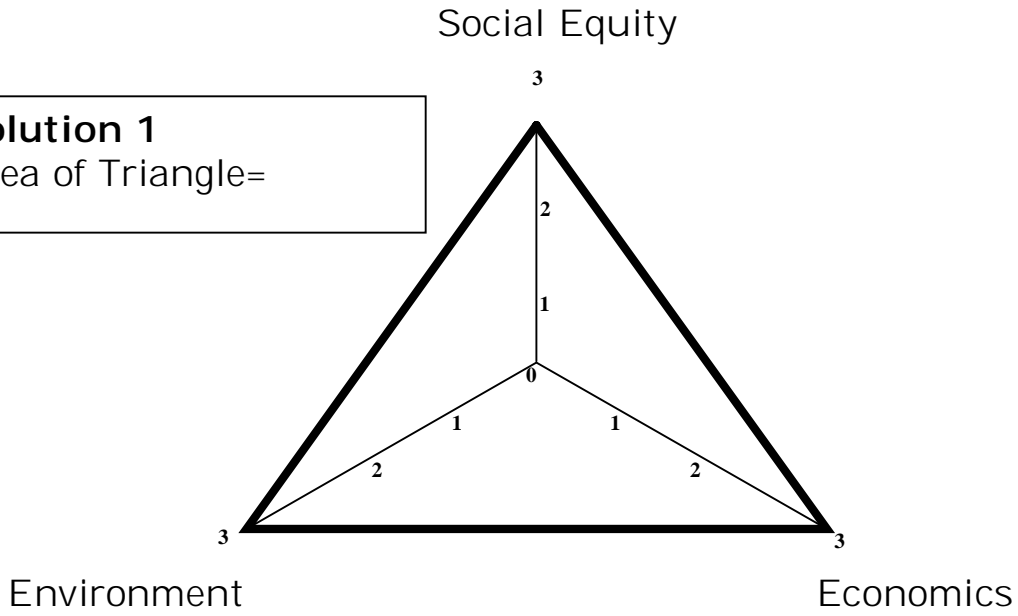
Determine the most sustainable solution

	Solution 1	Solution 2
Environment		
Criteria	Ratings	Ratings
AVERAGE RATING:		
Social Equity		
AVERAGE RATING:		
Economics		
AVERAGE RATING:		

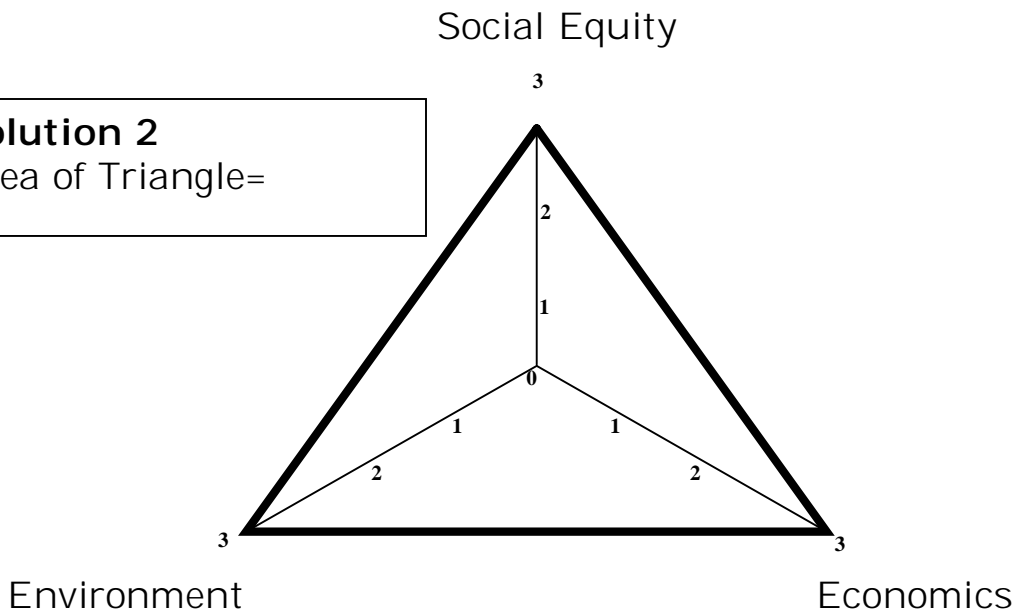


Global Nations International Climate Summit – Decision Grids

Solution 1
Area of Triangle=



Solution 2
Area of Triangle=





Global Nations International Climate Summit – Presentation Rubric

Country Name _____

Delegate Names _____

CATEGORY	4	3	2	1
PREPAREDNESS Score_____	Group is completely prepared and has obviously rehearsed.	Group seems pretty prepared but might have needed a couple more rehearsals.	The group is somewhat prepared but it is clear that rehearsal was lacking.	Group does not seem at all prepared to present.
CONTENT Score_____	All group members show full understanding of the topic and the information is accurate.	Most group members show a good understanding of the topic and the information is mostly accurate.	Some group members show a good understanding of some of the topic and the information is somewhat accurate.	Some group members do not seem to understand the topic very well and the information is not accurate.
CRITERIA AND DECISION GRIDS Score_____	The criteria and two Decision Grids are complete and accurate.	The criteria and two Decision Grids mostly are complete and mostly accurate.	The criteria and two Decision Grids are somewhat complete and somewhat accurate.	The criteria and two Decision Grids are not complete or accurate.
GROUP COOPERATION Score_____	All group members worked well together equally sharing the work and listening to others with no arguing.	The group members mostly worked well together sharing the work and listening to others with little arguing.	The group had a few problems working together and arguing.	The group had many problems working together and argued a lot.
CREATIVITY Score_____	Showed high level of creativity throughout the entire presentation.	Showed high level of creativity for most of the presentation.	Some creativity was shown at times during the presentation.	Group demonstrated little or no creativity throughout the presentation.

Total Score = _____ out of 20 = _____%

Evaluator's Comments:

Final Grade _____