

# GEOGRAPHY INQUIRY – SETTLEMENT PATTERNS AND SUSTAINABILITY PRESENTATION

## ***Our Goal! The Big Idea/Challenge!***

*Describe some practices that individuals and communities have adopted to help make human settlements more sustainable.*

As we have witnessed together in class, our world is becoming more POPULATED every day, to the point that there are almost too many humans on earth. Our world has 7 billion people today, and will reach around 10 billion by the year 2050. There is more than enough space for all of these people on earth (we could fit about 7 billion people into a space the size of Los Angeles). The problem is more about how we USE THE PLANET AND IT'S RESOURCES. We need to work together to create SUSTAINABLE COMMUNITIES, so we have enough resources (water, food, clean air, etc) in the future. The more people there are on Earth, the more resources we will use. **WHAT CAN WE DO TO MANAGE THIS PROBLEM?**

## ***What does PLANET SUSTAINABILITY mean?***

The ability for the planet to SUSTAIN ITSELF (keep itself healthy and alive). Just like human beings need food, shelter, etc to sustain and stay alive, the planet needs to be treated in a healthy way to stay SUSTAINABLE. The more people there are, the **HARDER IT IS TO SUSTAIN A HEALTHY PLANET!**

***Your Challenge:*** Create a presentation to show the class about a strategy or technology that will help make the world more sustainable as our population grows to it's limit.

- 1) With a partner, pick a sustainability strategy from the list below to research:
  - 1) Energy Efficient Buildings
  - 2) Renewable Energy Resources
  - 3) Public Transportation Systems
  - 4) Community Gardens
  - 5) Rooftop Gardens/Grass
  - 6) Green Canopy
  - 7) Creation of Parks
  - 8) Waste and/or Water Recycling
  - 9) Composting Projects
  - 10) Creation of Greenbelts
  - 11) Use of Greywater to help reduce water consumption
  - 12) *Do you have another idea for a strategy used to help make the world more sustainable? Interested in researching a new strategy that is being developed? Visit your teacher to get your idea approved!*

***\*\*\*With your partner, fill out your SUSTAINABILITY TOPIC APPLICATION (at the back of this booklet) and hand in to the teacher.***

2) Research your topic!

To gain info for your presentation, use the SUSTAINABILITY QUESTION SHEET in this booklet to help plan your thoughts.

Create notes for your answers to the questions, and hand them in with your project on the day you do your presentation.

HINT! In your final presentation, you should answer all of the questions from the QUESTION SHEET.

3) Create your presentation. (With powerpoint, prezi, etc)

Work together to create a presentation that shows what your strategy is all about! Make sure all of the important info is included and add visuals to make it interesting.

\*\*\*Your presentation should be no more than five minutes long.

\*\*\*Some groups may choose the same topic. That's ok!

4) Present your strategy to the class.

Starting on \_\_\_\_\_ we will present our strategies to the class. Your group should work together in order to practice your presentation and be ready.

5) Assess another group's presentation.

You will be asked to peer-assess another group's presentation. That means that as you watch, you will be responsible to fill out a sheet with compliments and things they can improve on next time.

## **SUSTAINABILITY RESEARCH QUESTIONS**

1. Which sustainability strategy are you researching?
2. How does the strategy work? Describe what happens. What is interesting about this strategy?
3. How does this strategy help the world as it becomes more populated?
4. Is the strategy accessible for many people on the planet? Is it limited to only a few people/groups? Why?
5. What types of actions could be taken to help make this strategy better, OR accessible to more people?
6. What are some other questions you would like to ask about this topic? Use your powers of INQUIRY to create and research the two questions.
7. Create two extra inquiry questions about this topic. It's your choice, but they should fit with your topic. Research some answers to this question and share them during your presentation.

## SUSTAINABILITY PROJECT APPLICATION

**GROUP MEMBERS:**

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We would like to research:

What might be difficult about researching this topic?

Do you have any questions about the project? Are you confused about anything?

**The Pledge!**

We, the members of this group, pledge to put EQUAL effort into this project. This means that we will both help as much as possible, support each other in getting the work done, ask the teacher for help if needed, and contribute to the project.

**Signatures:**

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