

ECOPOLIS PROJECT

This is a project that scientist are currently engaged in to create an ecologically sound "metropolis" by 2050 making use of green solutions to overcoming the dissolution of our Earth. Creating "Ecopolis" will be a blueprint for megacities to follow in overcoming problems like overpopulation, global warming, providing energy and food needs, as well as pollution problems that plague our world today. Dan Kamen, winner of the Nobel Prize for pioneering work on climate change, is spearheading the project. Students will examines 5 projects presented in this video that include: transport; waste; food and water, energy and buildings. Students will examine and analyze these projects and determine which one makes better sense and thereby is their favorite. At the end of this video, students will have an overview of what the Honor's Environmental Science curriculum is about and the topics that will be covered this 2017-1018 school year.

Step 1: go to the following link - <https://www.youtube.com/watch?v=Dib3vbSWFjU>

- ❖ to access the video (50 mins long) **STRONGLY ADVISE** - *watch the video in it's entirety 1ST so you can get an idea as to how to organize yourself. THEN WATCH IT THE 2ND TIME TO NOW RECORD YOUR NOTES. GOOD LUCK ;-)))*. **THIS GRADE WILL BE EVALUATED FOR ACCURACY, NOT COMPLETION**
- ❖ You may turn the closed caption on while viewing if you think it will help. It may be necessary to view this video multiple times to get the "GIST"! When you turn this in be sure to include the period and instructor's name.
- ❖ *You will turn your assignments in to ENGRADE on TURN-INS by Augst 9, 2017. LATE TURN-INS WILL BE GIVEN A MAXIMUM CREDIT OF 50%*
- ❖ **JOIN REMIND AND START GETTING SUMMER REMINDERS** (*and get 10PTS XTRA*)
BY: texting @3k97be to the number 81010

Step 2: Write down what you think is the overall problem(s) as presented at the beginning of this show

Step 3: You will analyze the following 5 projects in the graphic organizer below to determine the problems and the ultimate solution Dr. Kamen went with.

Ecopolis Project Video 1

Directions: On this sheet of paper, write down notes on the topic listed in each box.

Describe the Problem – 20 points

Technology Solution 1 – 10 points Inventor's Name Description of Technology	Technology Solution 2 – 10 points Inventor's Name Description of Technology
Technology Solution 3 – 10 points Inventor's Name Description of Technology	Technology Solution 4 – 10 points Inventor's Name Description of Technology

Circle which Technology Chosen = 1 2 3 4 40 Points
State Reasons Why the technology circled was chosen
Reason 1
Reason 2
Reason 3
Carbon Savings =

Last Name _____ First Name _____ Period _____

Ecopolis Project Video 2

Directions: On this sheet of paper, write down notes on the topic listed in each box.

Describe the Problem – 20 points

Technology Solution 1 – 10 points Inventor's Name Description of Technology	Technology Solution 2 – 10 points Inventor's Name Description of Technology
Technology Solution 3 – 10 points Inventor's Name Description of Technology	Technology Solution 4 – 10 points Inventor's Name Description of Technology

Circle which Technology Chosen = 1 2 3 4 40 Points
State Reasons Why the technology circled was chosen
Reason 1
Reason 2
Reason 3
Carbon Savings =

Last Name _____ First Name _____ Period _____

Ecopolis Project Video 3

Directions: On this sheet of paper, write down notes on the topic listed in each box.

Describe the Problem – 20 points

Technology Solution 1 – 10 points Inventor's Name Description of Technology	Technology Solution 2 – 10 points Inventor's Name Description of Technology
Technology Solution 3 – 10 points Inventor's Name Description of Technology	Technology Solution 4 – 10 points Inventor's Name Description of Technology

Circle which Technology Chosen = 1 2 3 4 40 Points
State Reasons Why the technology circled was chosen
Reason 1
Reason 2
Reason 3
Carbon Savings =

Last Name _____ First Name _____ Period _____

Ecopolis Project Video 4

Directions: On this sheet of paper, write down notes on the topic listed in each box.

Describe the Problem – 20 points

Technology Solution 1 – 10 points Inventor's Name Description of Technology	Technology Solution 2 – 10 points Inventor's Name Description of Technology
Technology Solution 3 – 10 points Inventor's Name Description of Technology	Technology Solution 4 – 10 points Inventor's Name Description of Technology

Circle which Technology Chosen = 1 2 3 4 40 Points
State Reasons Why the technology circled was chosen
Reason 1
Reason 2
Reason 3
Carbon Savings =

Last Name _____ First Name _____ Period _____

Ecopolis Project Video 5

Directions: On this sheet of paper, write down notes on the topic listed in each box.

Describe the Problem – 20 points

Technology Solution 1 – 10 points Inventor's Name Description of Technology	Technology Solution 2 – 10 points Inventor's Name Description of Technology
Technology Solution 3 – 10 points Inventor's Name Description of Technology	Technology Solution 4 – 10 points Inventor's Name Description of Technology

Circle which Technology Chosen = 1 2 3 4 40 Points
State Reasons Why the technology circled was chosen
Reason 1
Reason 2
Reason 3
Carbon Savings =

Last Name _____ First Name _____ Period _____

Step 4: Complete an overview of all 5 projects chosen by Dr. Kamen by examining both the pros and cons and make a decision as to which one you think would be the most effective. Remember they all had some underlying problems.

<p>Identify/Name Technology Solution 1</p> <hr/> <p>Inventor's Name</p> <hr/> <p>Pro</p> <p>Con</p>	<p>Identify/Name Technology Solution 2</p> <hr/> <p>Inventor's Name</p> <hr/> <p>Pro</p> <p>Con</p>
<p>Identify/Name Technology Solution 3</p> <hr/> <p>Inventor's Name</p> <hr/> <p>Pro</p> <p>Con</p>	<p>Identify/Name Technology Solution 4</p> <hr/> <p>Inventor's Name</p> <hr/> <p>Pro</p> <p>Con</p>
<p>Identify/Name Technology Solution 5</p> <hr/> <p>Inventor's Name</p> <hr/> <p>Pro</p> <p>Con</p>	<p>Circle which Technology Chosen</p> <p>1 2 3 4 5</p>

Step 5: Research and find other ways or ideas that people have invented to overcome food shortages, transportation issues, overpopulation, water shortage, waste problems, or any environmental problems the world is plagued with today. (include inventor's name, where from, where the research is taking place, the actual invention, how it works, cost involved, environmental issues addressed, who will benefit, shortcomings, is it in use now, who's interested, and 3 or more interesting facts).