**LEWISBURG AREA SCHOOL DISTRICT**

**LESSON PLAN**

**Teacher Name: \_\_\_\_\_Van Wagner\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_AP Enviro**

**Topic: \_\_\_Climate change Date of Lesson: \_\_Class #39 and 40**

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| **LESSON ESSENTIAL QUESTION**: | How do we balance human needs and wants with limited natural resources available?  |
| **STANDARD / LEARNING TARGET:** | Objective: Students will investigate land cover changes in the Bull Run Creek Watershed and apply that to the concept of the heat island effect..  |
|  **ACTIVATING STRATEGIES**:(Anticipatory Set) | Bell Ringer: What characteristic defines a megacity?a) a city that has more than 10 million inhabitantsb) a city that grows by approximately 1,000 new immigrants each day from overpopulated rural areasc) a cluster of small or medium-sized cities, each with population of less than 1 milliond) a suburban sprawl of developed suburbse) a city that has over 100 high-rise buildingsAnswer: a) a city that has more than 10 million inhabitants. |
| **KEY VOCABULARY**: | Sprawl, urban, rural |
| **RESOURCES:** | Teacher slide show, demonstration, and lecture.  |
| **TEACHING STRATEGIES**: | Complete chapter 9 quizBio-Bottle Preliminary report assignment:Over break write brief report that discusses the following:* Purpose
* Basic procedure (final lab report will be detailed but you can choose to be brief in this preliminary report)
* Preliminary results to date.
* Hypothesis of what will happen over remainder of experiment.

Get a macbook and log onto:todaysmeet.com/apeslahsEach student is expected to make at least 2 comments related to the movie / climate for 5 points.Teacher can retrace all posts, stay school appropriate!Watch movie |
| **EXTENDED THINKING ACTIVITY / ASSIGNMENT:** | Complete Chapter 9 questions |
| **SUMMARIZATION/ CLOSURE:** | Wrap- up / class discussion  |