**LEWISBURG AREA SCHOOL DISTRICT**

**LESSON PLAN**

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

**Topic: \_\_\_Chapter 19 Particulates cont. Date of Lesson: \_\_Class #42**

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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: Sulfur mixes with other gases in the atmosphere to become a toxin. What type of air pollutant is this considered? Answer: secondary  |
| **KEY VOCABULARY**: | Atmosphere, troposphere, stratosphere, ozone, radiation,  |
| **RESOURCES:** | Teacher slide show, demonstration, and lecture.  |
| **TEACHING STRATEGIES**: | Filter snow melt water from last class and analyze results using microscope. Students apply petroleum jelly to index cards and place them on various locations of school property. They will capture particulates until next class.Slide show / notes (slides start with slide 20) |
| **EXTENDED THINKING ACTIVITY / ASSIGNMENT:** | Complete Chapter 9 questions |
| **SUMMARIZATION/ CLOSURE:** | Wrap- up / class discussion  |