Last name: _____ First name: _____ Period: _____

**City Model Design and Presentation**

For our final project for AP Human Geography this year you will be responsible for designing your own city. Your purpose in this design is to convince the board of directors of a worldwide, footloose innovation firm, PerMoSykCo, to locate their world headquarters in your city. The parameters are below, but the finished product will include a **model of your city** (diorama, detailed drawing, computer model, or other visual representation), and a **brochure** advertising the city. These will be displayed in a gallery walk in the Media Center and individuals will vote for the city that best encompasses the vision and required design characteristics. The group with the best model and pitch will win the business of PerMoSykCo and all it entails.

Requirements:

1. City model
    - CBD with Zoning – retail, industrial,mixed use (?), and residential (what type?)
    - Transportation (what type?)
    - Evidence of sustainable and smart growth practices
        - Green space
        - Public transit
        - Walkability
        - Compact urban design (upward growth rather than sprawl)
    - Evidence of equitable urban design
        - Housing distribution (provisions for high, medium, and low income)
        - Avoiding housing segregation (no wealthy and poor neighborhoods)
        - Ways to provide equitable access to services, transportation, etc.
    - Various types of services, green space, entertainment, education facilities (take into account threshold and range – think Chrystaller's CPT)
    - Map characteristics (scale, compass, key, etc.) – this must be included even if you do not create a paper map.
    - This should be a *high quality* representation of what your city will look like and must be an original creation (no re-using old projects, like future cities, or using a computer simulator)
2. Brochure or one-sheet advertising your city
    - Size (population and area)
    - Attractions
    - Amenities
    - Population density
    - Explanations of how your city meets the principles of sustainable and smart growth
    - Anything else that can't be shown in your model

Other Information:

- Groups may be **up to 4 total people** – individuals are okay – choose your group wisely, as this is your last chance to earn summative points for the year!
- Check-ins (for points) may be used to ensure that you are on track and on task during work days

Important Dates/Timeline:

- May 26: project introduction
- May 31-June 2: research days
- June 5-14: research/construction days
- June 15: gallery walk in Media Center

Research/Useful Links:
As a starting point, find ten examples of cities around the world that have each embraced one of the nine principles of sustainability or the ten smart growth principles, so you have an idea of what your design should look like.

- Article about innovative urban design: http://quest.utk.edu/2015/century-of-cities/
- Topics focusing equity in urban development: https://www.urban.org/topics
- An example of what one urban design business is doing to work toward New Urbanism: http://www.som.com/expertise/services/urban_design__planning
- Examples of Smart Growth goals: http://smartgrowth.org/smart-growth-principles/

Part of your research should also include the amenities offered by a city, the threshold and range of different services, etc. so that you know how many of each service should be offered (schools, for example).

Keywords to get you started:
Sustainable growth
Smart growth
Urban sustainability
New Urbanism
Equitable urban design

How will you be scored?
100 points (50 model, 50 brochure)

What are the **basic services and elements** you must include in your city model?

- ❏ Schools (primary-secondary, college-level)
- ❏ Retail (can be general)
- ❏ Public Services (hospital, police, fire, transit, libraries, etc.)
- ❏ Types of housing (low-high income and density)
- ❏ Grocery stores (avoid food deserts)
- ❏ Transportation: Roads/highways/other transit options (bike, train, etc)
- ❏ Green space
- ❏ Waste handling/disposal
- ❏ Government center
- ❏ Cultural centers (museums, theaters, etc.)
- ❏ Restaurants (low-high order)
- ❏ Recreation areas (stadiums, waterfront areas, family-friendly activities, etc.)
- ❏ Energy facilities
- ❏ Physical geography (bodies of water, geographic features, etc.)
- ❏ Location(s) for PerMoSyk Co.

**AP Human Geography City Design Project Rubric**

**Part 1: City Model (50 points)**

| Element | Excellent | Average | Below Average | Needs Attention |
|---|---|---|---|---|
| **Sustainability** Thoughtfulness about sustainable design, buildings, energy, and development. | 15 14 13 | 12 11 10 9 8 7 | 6 5 4 | 3 2 1 0 |
| **Equity** in housing practices, access to transit and other amenities, thinking outside the box | 20 19 18 17 | 16 15 14 13 12 11 10 9 | 8 7 6 5 | 4 3 2 1 0 |
| **Map Characteristics** Scale, compass, key, etc. | 5 | 4 3 | 2 | 1 0 |
| **Basic Requirements** Public svcs; consumer svcs; Housing; Transit; Green space; waste management; energy facilities; Physical geography; PerMoSyk Co. Location | 10 9 | 8 7 6 5 | 4 3 | 2 1 0 |

**MODEL TOTAL: _____/50**

**Part 2: Brochure (50 points)**

| Element | Excellent | Average | Below Average | Needs Attention |
|---|---|---|---|---|
| **Factual Info** City information not available on model (size, attractions, amenities, density, etc.) | 20 19 18 17 | 16 15 14 13 12 11 10 9 | 8 7 6 5 | 4 3 2 1 0 |
| **Design and creativity** Readable brochure, not too wordy but not too brief, images and text are balanced, etc. | 10 9 | 8 7 6 5 | 4 3 | 2 1 0 |
| **Sustainability & equity explained** Elements not easily seen on board are explained. | 20 19 18 17 | 16 15 14 13 12 11 10 9 | 8 7 6 5 | 4 3 2 1 0 |

**BROCHURE TOTAL: _____/50**

**GRAND TOTAL: _____/100**