APES Spring 2019 Landscape project

Project information:

Groups of 3-4 (all from one class)

Research Dates:

Wednesday, May 15th (research day)

Monday, May 20th (research/presentation)

Wednesday, May 22nd  (finalize presentation materials)

Objective:

Create a landscape plan for the PCHS gym courtyard, retention pond behind mod 1 or another campus area. Suggest hardscape (concrete paths) and plants to beautify the area and make the courtyard more functional for student gatherings and socialization. Consider impacts on flora and fauna.

Consider:

Soil quality—what needs to be done to improve the soil? What kind of soil is currently in the courtyard area?

Plants—what NATIVE North Carolina plants can grow in the high sun areas. What kind of trees might provide shade?

Hardscape—where should we put a path that connect the parking area with the sidewalks? Where could benches be placed to maximize usefulness during lunch?

Drainage—what drainage issues need to be addressed?

Fauna—any considerations for animals—aquatic and land based?

Requirements:

Drawing of the area to scale showing current landscape features.

Drawing of proposed changes to hardscape and landscape.

Analysis of soil, sunlight, water and any other relevant considerations.

Estimate of materials required and approximate cost.

Make the plan one that can be done in stages—and propose an implementation plan.

Keep the total cost to $3000-5000.

Written proposal and analysis (double spaced, includes references)

Presentation to class—best proposal in each class will be presented to a group of judges including Mr. Olin.

Rubric

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| Category | Description and possible points | Score |
| Drawing of the area to scale showing current landscape features. | Neat and Complete  Drawn to scale (10) | /10 |
| Description of the physical and chemical attributes of the area | Analysis of soil, sunlight, water and any other relevant considerations. (10)  Challenges presented by the current land use. (10) | /20 |
| Drawing of proposed changes to hardscape and landscape. | Neat and Complete  Drawn to scale (10) | /10 |
| Estimate of materials required and approximate cost. | List of required materials with approximate costs. Sort the list by hardscape, plants, and planting materials. | /10 |
| Propose an implementation plan. | Suggest how the plan would be implemented in stages. | /10 |
| Written Proposal | Neat, typed, double spaced report—worthy of presentation for a landscape project. | /20 |
| Class Presentation | Interesting, complete, visual aids | /20 |
| Total Points |  | /100 |