**BIG Zoo Lesson: EXHIBIT DESIGN**

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| **Animals have needs in wild and captivity, and zoos address those needs when making exhibit design.****Focus Question:**  |
| **General Concepts:**How zoos change and growMatter and energy flowTechnology and EngineeringDuplication of animal ecosystem in a zoo designProblem solvingCause and effect | **VOCABULARY****Enclosure****Diurnal****Nocturnal****Access****Sanitary****Aviary****Ecosystems****Exhibit****Engineering** |
| **Potter Park Zoo can provide these materials:**Photos of old exhibitsMaster plan of Potter Park ZooRhino plan posterOtter plan posterBlueprints (assorted) |
| **Documents:**Zoo Designer’s ChecklistPolar Bears in Phoenix (Project Wild)Or-- https://ssec.si.edu/stemvisions-blog/how-design-zoo-exhibit-four-steps |
| **Notice these things:**Size of animal in relation to exhibitSignage at exhibit**Questions:**Safety of animals, zookeepers, visitors? |
| **Expansion:**Using the document “Zoo Designer’s Checklist,” invite student teams to design an exhibit for their animal. Next, after student teams present their new exhibits, engage the class in designing a layout for their new zoo.Where in your town (Lansing, Dewitt, Mason, Haslett, etc.) will your new zoo be situated?What will be the Mission Statement for your new zoo? |