**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 grow  Matter and energy flow  Technology and Engineering  Duplication of animal ecosystem in a zoo design  Problem solving  Cause and effect | **VOCABULARY**  **Enclosure**  **Diurnal**  **Nocturnal**  **Access**  **Sanitary**  **Aviary**  **Ecosystems**  **Exhibit**  **Engineering** |
| **Potter Park Zoo can provide these materials:**  Photos of old exhibits  Master plan of Potter Park Zoo  Rhino plan poster  Otter plan poster  Blueprints (assorted) |
| **Documents:**  Zoo Designer’s Checklist  Polar 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 exhibit  Signage 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? | |