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| PROJECT TEACHING AND LEARNING GUIDE | | | | |
| **Project: Survival of the Fittest** | | | | |
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| **Major Product(s) and Presentation**  students need to complete | **Knowledge and Skills Needed by Students**  to successfully complete major  products and presentations | | **Scaffolding / Materials / Lessons to be Provided**  by the project teacher, other teachers, experts,  mentors, community members | |
| Video Newscast OR Board Game | How to take notes on academic materials. |  |  | Reader’s workshop, Science, and Writing lessons to show a consistent way to take notes. |
| Animals have characteristics known as adaptations that help them survive and reproduce. |  |  | Science lesson for vocabulary: adaptation  Research time |
| Animals have certain roles in food chains and webs. |  |  | Science lesson for vocabulary: source of energy, producer, consumer, decomposer  Research time |
|  | Natural events and human events can impact an environment. |  |  | Science lesson  Research time |
| Changes in an environment can affect the survival of animals. |  |  | Science lesson  Research time |
|  | There are generally three outcomes of environmental change on an animal’s survival: they can survive and reproduce, die, or move to a new location. |  |  | Science lesson  Research time |
| How to create a script and shoot a video newscast on a digital device, detailing an effect of environmental change on animals’ habitats and lives. |  |  | Teacher modeling and practice |
| How to design and create a board game that shows outcomes of environmental change on animals’ lives/habitats. |  |  | Teacher modeling and studying examples of different board games |
| Choose Your Own Adventure Story | All of the above |  |  |  |
|  | How to plan (thinking maps) and write a narrative structure with a setting, problem and solution.  Crafting strong leads  Using sequencing transition words and phrases |  |  | Benchmark narrative unit |