**Team Management Plan**

Capstone Presentation and Activity 4

**Science Standards**

BIO1.LS2.5 - Analyze examples of ecological succession, identifying, and explaining the order of events responsible for the formation of a new ecosystem in response to extreme fluctuations in environmental conditions or catastrophic events.

BIO1.LS4.3 Identify ecosystem services and assess the role of biodiversity in support of these services. Analyze the role human activities have on disruption of these services.

**ELA Standards:**

9-10.RI.IKI.7 Evaluate the topic or subject in two diverse formats or media.

9-10.SL.CC.2 Integrate and evaluate multiple sources of information presented in diverse media formats; evaluate the credibility and accuracy of each source.

**Engage**

* + Students are divided into teams and asked to use the iNaturalist app and Google Earth to select a site to manage in Jackson County.

**Explore**

* + Student teams create a list of species located in the selected site.
  + Student teams create a list of limitations to species diversity at the selected site.
  + Students use the [Tennessee Wildlife Judging Manual](https://extension.tennessee.edu/henderson/Documents/PB1682.pdf) or [National WHEP contest manual](https://www.whep.org/national-whep-manual/) to explore species and management practices.

\*County 4-H extension agent could be a guest speaker

\*\* If the Wildlife Judging Manuel is overwhelming students can simply create management practices that address a specific need of a selected species. For example, a butterfly may need a food source and cover. Planting a butterfly garden would be a great management practice. \*\*

**Explain**

Student teams will complete a management plan for the selected area.

The plan will follow the outline from the Tennessee Wildlife Judging Manuel

* + 1. Plan Background
       - Species – Which species will you manage?
       - Objectives – What specifically is a successful outcome?
    2. Plan Development
       - Habitat assessment – Describe current habitat
       - What wildlife management practices could help each species identified?
    3. Plan Implementation
       - List all management practices that the team recommends.
       - List the reason and details for each practice,
    4. Map
       - Detailed Map of Site
       - Species and Management Practices
    5. Plan Evaluation
       - Every good plan needs to be evaluated. How will your team decide if the plan is working? Look closely at your objectives as you develop the evaluation.

**Elaborate**

* + Students will use the five steps of the written management plan to develop a presentation for peer review including ...
    - Slide Show or Tri Fold Board
    - Plan Map – Shows location of practices and species
    - iNaturalist identification and photos

**Evaluate**

* + Each of the Five Sections of the Plan is worth 20 pts.
  + Students and teachers should reflect on the projects during a gallery walk.
  + Post it notes should be used to reflect 2 stars and 1 wish.
    - The stars are positive statements
    - The wish is an item to reconsider

\*\*Final evaluation will come after students have had time to reflect on the gallery walk and correct any issues. \*\*