

FINAL PROJECT OVERVIEW

Name of Project:	Blackland Prairie Ecosystem Public Awareness Campaign		Teach Dates: 2/15-2/26				
Subject:	7 th Grade Science	Teacher: Helen Arceneaux					
Driving Questions:	In what ways could we educate the public on how the Blackland Prairie ecosystem is changing over time?						
Summary and format of Entry Document – Submit a copy	The entry document is an invitation to make a public awareness campaign to inform the public about the Blackland Prairie ecosystem. This ecosystem is disappearing and many species are disappearing with it. The challenge for students is to make a public awareness campaign to help the public understand their local ecosystem, what is happening to it and why.						
Anticipated “need to knows” from entry document – include logistics and content	<div>Entry Document</div> <div>Know/Need to Know Activity</div> <table><tr><th>What do we know from the document that relates directly to the project?</th><th>What do we need to know more about to meet the expectations of the project?</th></tr><tr><td><ul style="list-style-type: none">Public awareness campaign for TPWD and the Blackland Prairie.Requirements for submission: a PowerPoint Presentation, a radio or TV ad, and a flyer.Requirements for each of the submission pieces.Blackland Prairie is an ecosystem where we live.The Blackland Prairie extends from DFW are to the Austin area.</td><td><ul style="list-style-type: none">What makes an ecosystem a Blackland PrairieWhat are the due datesHow to record a radio or TV adHow to make a flyerHow to make a PowerPoint presentationWhat resources to use to researchWhat species live in the Blackland PrairieWhat is ecological successionParts of an ecosystemFood chain for Blackland PrairieWhat is biodiversityWhat human activities impact biodiversityHow do human activities impact biodiversityHow do organisms adapt to an environmentLearn Global Zoo</td></tr></table>			What do we know from the document that relates directly to the project?	What do we need to know more about to meet the expectations of the project?	<ul style="list-style-type: none">Public awareness campaign for TPWD and the Blackland Prairie.Requirements for submission: a PowerPoint Presentation, a radio or TV ad, and a flyer.Requirements for each of the submission pieces.Blackland Prairie is an ecosystem where we live.The Blackland Prairie extends from DFW are to the Austin area.	<ul style="list-style-type: none">What makes an ecosystem a Blackland PrairieWhat are the due datesHow to record a radio or TV adHow to make a flyerHow to make a PowerPoint presentationWhat resources to use to researchWhat species live in the Blackland PrairieWhat is ecological successionParts of an ecosystemFood chain for Blackland PrairieWhat is biodiversityWhat human activities impact biodiversityHow do human activities impact biodiversityHow do organisms adapt to an environmentLearn Global Zoo
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Project Launch Summary of how you will launch the project – include anchor video link and purpose	Project Launch will include an anchor video produced by Texas Parks and Wildlife. The video will be shown before giving students the entry document. Anchor Video: TPWD Blackland Prairie Video Purpose of anchor video is to inform students about the Blackland Prairie ecosystem.
Student Products/Assessment:	Products: Radio/TV ad, flyer, iEARN Global Zoo, PowerPoint presentation Formative Assessments: Knows/Needs to Know Chart, DIYs, Workshops, Radio/TV ad, iEARN global zoo, flyer Summative Assessment: PowerPoint Presentation
Objectives: SWBAT	Students will be able to: <ul style="list-style-type: none"> - Observe, record, and describe multiple parts of an ecosystems including: biodiversity, food chains and food webs, ecological succession. - Investigate the impact of human activity on organisms.
Content Standards to be taught and assessed:	TEKS STANDARDS Grade 7: Science The student is expected to: (10.A) observe and describe how different environments, including microhabitats in schoolyards and biomes, support different varieties of organisms (10.B) describe how biodiversity contributes to the sustainability of an ecosystem (10.C) observe, record, and describe the role of ecological succession such as in a microhabitat of a garden with weeds. ZAMBIA STANDARDS 12.7.8 Biodiversity: 12.7.8.1 Investigate diversity of organisms in a given locality. 12.7.8.2 Investigate the importance of diversity of organisms in given locality 12.7.8.3 Explain how some organisms are adapted to the environment 12.7.8.4 Investigate the impact of human activity on organisms 12.7.8.5 Describe the economic reasons for maintaining bio-diversity. Investigate diversity of organisms in a given locality. Accommodations for Learners with Special Needs: This lesson contains peer partnering, chunked directions, a think-pair-share activity, frequent feedback through multiple formative assessments, reminders to turn in work through daily and weekly goals, clearly defined limits through group roles, and content mastery checks by using DIYS and workshops.

<p>Safety: Include any safety issues and <i>how</i> they will be addressed.</p>	<p>No safety issues</p>
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PROJECT CALENDAR

page 1

Project: Blackland Prairie Ecosystem Public Awareness Campaign

Time Frame: 2 Week Project

M O N D A Y

T U E S D A Y

W E D N E S D A Y

T H U R S D A Y

F R I D A Y

PROJECT WEEK ONE

Week 1 Accommodations:

- Show anchor video [TPWD Blackland Prairie Video](#)
- Materials Managers collect handouts including: entry document, rubrics, and the social contracts. [Handouts]
- Creation of team names

LAUNCH

- Create knows/Needs to Know List (Think/Pair/Share)
- DIY: Research Resources (Exit Ticket) [Handout]
- Workshop: Biodiversity

PLAN

- DIY: Parts Of An Ecosystem [Matching Game]
- DIY: Food Chain and Food Webs [DIY Quizlet Game](#)
- Workshop: Biomes and microhabitats

RESEARCH

- Workshop: Blackland Prairie species and location [Handout]
- Workshop: Ecological succession
- DIY: Flyer Design

RESEARCH

- Workshop: iEARN Global Zoo
- Review Knows/Needs to Know Chart
- Project Check-in: Proposal approval by teacher

RESEARCH

PROJECT WEEK TWO

Week 2 Accommodations:

- Workshop: Steps on how to create a Radio/TV ad. [Handout]
- Workshop: Scripts, Timing, and Rehearsal for recording sessions

CREATE

- Crit Session of written scripts and layout proposal (Round Robin)
- DIY: How to use PowerPoint for presentations and flyer creation

CREATE

- Rehearsal and recordings of TV or radio ad
- Finish flyers
- Write script for presentations

CREATE

- Rehearsal of presentations
- Finish edits

CREATE

- Presentations

SHARE

