

**Lesson Title: Endangered Species of Texas**

**Grade Level: 7<sup>th</sup> Grade Science**

**Estimated time requirement:**

**Summary (25-50 words):** Students utilize technology tools in their study of the endangered species of Texas. At the end of the unit, students present packets of information on specific species using Microsoft Word and Excel spreadsheets. Students also design a postage stamp for their particular endangered species using a paint program.

**Objectives:**

- Students use technology to illustrate, list, and explain different endangered species of Texas.
- Students produce information packets using Microsoft Word and Excel spreadsheets,
- Students produce postage stamp designs of endangered species.

**Content Standards:**

**Science TEKS (see 7<sup>th</sup> grade section at URL below)**

<http://www.tea.state.tx.us/rules/tac/chapter112/ch112b.html>

- 112.7 (b) (2) (objective B,C)
- 112.7 (b) (3)
- 112.7 (b) (3) (objective A)
- 112.7 (b) (9) (objective B)
- 112.7 (b) (10) (objective B)

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**Technology Application TEKS: (middle school)**

<http://www.tea.state.tx.us/rules/tac/chapter126/ch126b.html>

- 126.12 (c) (2) (objective A)
- 126.12 (c) (4) (objectives A, B)
- 126.12 (c) (7) (objectives B, F)
- 126.12 (c) (8) (objective E)

**Assessment:**

- Worksheets graded by teacher
- Students assess presentations by other students
- Teacher assesses presentations and averages with student assessments
- Full portfolio assessed by teacher
- Students self-evaluate

**Materials:**

- Internet Computer Lab

**Resources:**

- Texas Science, Glenco/McGraw Hill, 2002
- <http://www.davidson.k12.nc.us/webquests/endanger/endstart/endstart.htm>
- <http://www.tramline.com/sci/endanger/tr.htm>

- <http://www.tpwd.state.tx.us/huntwild/>
- Search engines such as google.com
- Video Clip: Endangered Species  
Where Have all the Animals Gone? Endangered Species. United Learning. 1994. unitedstreaming. 3 October 2005 <<http://www.unitedstreaming.com/>>
- Microsoft Word, Microsoft Paint, Microsoft Excel, Internet Explorer

**Prior Knowledge/Skills:** Students possess Internet navigation skills and search engine techniques. Students possess downloading and saving skills for the pictures used in the “stamp project”.

**Procedures:**

Daily lesson procedures are listed below.

**Modifications:**

- Peer assistance and teacher assistance.

**Technology Infusion:**

- Use of Internet Lab
- Microsoft Office, Internet Explorer, Microsoft Paint, Microsoft Excel

**Cultural Connections:**

- Students share information about the endangered species found in Texas.

**Family Connection:**

- Students share information about rare endangered species with family.
- Bonus activity: Students take a family trip to the zoo and take digital photographs of animals. Research if the animals represented in the zoo are endangered.