**Lesson Title: Genetic Transfer**

**Unit: Molecular Genetics and Heredity**

TEKS: 130.7 (C)(7)(f)

OBJECTIVES

The student shall be able to:

1. Investigate genetic selection methods.
2. Develop a logical argument for cloning.
3. Distinguish between embryonic cloning and nuclear transfer.

TEACHING MATERIALS, TOOLS, AND EQUIPMENT

PPT: Genetic Selection and Transfer

Video: How they cloned Dolly

HO: Genetics Crossword

TEACHING PROCEDURE

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| --- | --- |
| Interest Approach/Anticipatory Set | Teacher Notes |
| 1. Link – review previous material over genetics and how those traits are passed down.  2. Motivation – What would it be like if you had an exact copy of yourself?  Present the PPT over Genetic Selection and Transfer  Show video “How they cloned Dolly”  Have student complete Genetics Crossword | How they cloned Dolly  <http://www.youtube.com/watch?v=39BbcZVCx8I> |

ENGAGEMENT

Students will be actively participating in lesson by Q&A and video.

EVALUATION

Completion of crossword puzzle

ADDITIONAL MATERIALS

N/A

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