**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

|  |  |
| --- | --- |
| 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 TransferShow 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

©Texas Education Agency, 2011