

**UNIT 6:** Family Life and Human Sexuality**LESSON TITLE:** Human Reproduction - Day 1**Health Literacy Skill:**

- Core Concepts

**MSDE Performance Indicator:****1c.7.10:** Describe menstruation, fertilization, and implantation**OBJECTIVE:** Students will be able to explain menstruation, the fertilization process and implantation as it connects to human reproduction.**TEACHER NOTES :**

1. Teachers are encouraged to use best practices when presenting material to students.
2. Before starting lesson, review class expectations and Family Life guidelines with the class.
3. Remind students of anonymous question protocol.
  1. Teacher Suggestion: Question box and/or Anonymous Padlet Page.
  2. Padlet page for students to use throughout the family life unit and/or quarter. This should be added to each lesson. Be sure to review the settings...attribution should be off; require approval should be on.
4. **Teachers should review Family Life Teacher Resources:**
  1. Secondary Family Life Teacher Vocabulary Resource
  2. Answering Difficult Question Document
  3. Teaching Sensitive Topics in Health Education

**MATERIALS:**

PowerPoint - Human Reproduction

Human Reproduction Knowledge Rating Chart

Development Before Birth Completed Notes

Beginning of Life worksheet

**VOCABULARY:**

Cells	Tissues	Organs	Placenta	Fertilization	Egg Cell
Sperm	Uterus	Zygote	Embryo	Fetus	

**MOTIVATION: Warm-up-** Teachers may choose to have students complete the warm-up using whatever strategy best suits the needs of their class. Students will complete the Human Reproduction Knowledge Chart prior to the start of the lesson. Students will write the vocabulary terms into the appropriate column:

- a. "I have never seen this word"
- b. "I recognize this word"
- c. "I can define this word"

**LESSON PROCEDURES:**

1. **Teacher-led Discussion - Vocabulary** : Use the PPT to review the vocabulary terms. (Teacher Choice - if using the blank Family Life vocabulary resource, students should complete the Reproduction section)
  - a. Cells- basic unit or building block of life.
  - b. Tissue- a mass of similar cells that performs a specific function.
  - c. Organs- a part of a living organism that is composed of tissue organized to perform a certain function.
  - d. Placenta- rich lining of tissue that builds up along the walls of the uterus and connects the mother to the baby.
  - e. Umbilical cord- attaches to the baby's navel and grows out of the placenta.
  - f. Zygote - the fertilized cell
  - g. Embryo- the fertilized cell that is dividing.
  - h. Fetus- the developing baby after two months.

(Merki, Mary (1999). Teen Health Course 3. Glencoe/McGraw Hill.)
2. **Teacher-led Discussion - Meiosis** : Use the PPT slides to explain the process of meiosis. Explain each stage of meiosis to ensure further understanding of the students.
3. **Teacher-led Discussion - Fetal Development** : Using the PPT, review the changes that occur during pregnancy and fetal development. Provide students with the Development Before Birth completed notes to refer to.
4. **Student Activity** : Students should complete the "Beginning of Life worksheet using information learned in class and the word bank provided.

**Closure:****3-2-1 Activity**

Have students identify 3 facts you learned from the lesson, 2 questions you have and 1 big idea from this lesson

**FORMATIVE ASSESSMENT:**

Human Reproduction Knowledge Rating Chart  
Beginning of Life Worksheet

**Extension Activity:**

Vocabulary Resource  
BrainPop (not all schools have a subscription)

Babies:

<http://www.brainpop.com/health/geneticsgrowthanddevelopment/babies/>  
(Activity worksheet can be printed from Brain Pop)

Twins:

<http://www.brainpop.com/science/cellularlifeandgenetics/twins/>