

# Human Reproductive Systems

## Curriculum Overview

### Designed for:

- High school students
- Public health organizations or educators
- Clinical education
- Sex education

### Length:

The activities in this curriculum require between 3 to 4 hours to complete. With supplemental materials, this curriculum can be adapted to a longer block of time.

### Goal:

To help participants understand the male and female reproductive systems, and the process of fertilization and conception.

### Synopsis:

The curriculum identifies the anatomy and physiology of the male and female reproductive systems. It describes the process involved in sperm and ovary development and introduces the RealCare Sperm Development Model and RealCare Ovary Development Model to provide a visual representation of these processes. The RealCare Embryonic Development Model is also provided as an instructional aide to give participants a glimpse into the various stages of embryonic development from fertilization through the 4th week of gestation.

Designed and developed by subject matter professionals, health education and curriculum specialists, these lessons include facilitator instructions, slide presentation and quiz. The lessons and activities include objectives, materials required and approximate class time.

### Issues Addressed:

- Anatomical points of the male and female reproductive systems
- Physiology of the male and female reproductive systems
- Process involved in sperm and ovary development
- Process involved in fertilization
- Chances of an unplanned pregnancy
- Stages of embryonic development
- Human reproductive systems key vocabulary

### Curriculum Components:

- Teacher's guide - complete lessons, including detailed steps of activities, time and materials needed, student worksheets and instructor information on each lesson
- Student materials
- Assessment tools
- Microsoft PowerPoint presentation slides

### Learning Objectives:

#### Lesson 1 – Reproductive Systems, Fertilization, Conception

- Identify the anatomical points of the male and female reproductive systems
- Describe the physiology of the male and female reproductive systems
- Describe the process involved in sperm and ovary development
- Describe the process involved in fertilization

## **Lesson 2 – Conception Through Embryonic Development**

- Describe the stages of embryonic development

## **Lesson 3 – Assessment**

- Assess their understanding of information presented throughout the course.