

## TEKS

- 9A** Compare the structures and functions of different types of biomolecules, including carbohydrates, lipids, proteins, and nucleic acids
- 9C** Identify and investigate the role of enzymes
- 10A** Describe the interactions that occur among systems that perform the functions of regulation, nutrient absorption, reproduction, and defense from injury or illness in animals
- 10C** Analyze the levels of organization in biological systems and relate the levels to each other and to the whole system
- 11A** Describe the role of internal feedback mechanisms in the maintenance of homeostasis
- 11B** Investigate and analyze how organisms, populations, and communities respond to external factors

## instructional content:

- ✦ Male Reproductive System
  - Role of Testes in Sperm Production
  - Role of Testes in Endocrine System
  - Anatomy and Function
- ✦ Female Reproductive System
  - Role of Ovaries in Egg Production
  - Role of Ovaries in Endocrine System
  - Anatomy and Function
- ✦ Ovarian Cycle
  - Menstruation
  - Process of Fertilization

## learning outcomes students will:

- Use all content and scientific process skills learned earlier in the course
- Explain the role of the testes in both reproduction and the endocrine system
- Explain how the structure of the sperm aids in its function
- Identify and state the function of the male reproductive system including: testes, scrotum, epididymis, and vas deferens
- Explain the role of the ovaries in both reproduction and the endocrine system
- Identify and state the function of the female reproductive system including: ovaries, fallopian tube, and uterus
- Summarize the events of the ovarian cycle
- Describe how an egg is fertilized



Incorporate scientific process skills during the instruction of all Biology concepts.  
**Look for this icon at [wardsci.com/TEKS](http://wardsci.com/TEKS) for more information on scientific process skills.**

## Recommended Ward's Science products with item numbers for easy online searching:

### science tools:

3B® Dual Sex Torso Model **813094**

### instructional resources:

Visual Learning Guides: Human Body **330477**

Cell to Embryo Activity Model **821231**