

# 12\_Childbirth, Stages of Labor, Prolapsed Cord, Breech Birth

Content Area: **Science**  
Course(s):  
Time Period: **Full Year**  
Length: **2-3 weeks**  
Status: **Published**

## General Overview, Course Description or Course Philosophy

This course covers introductory information as it relates to the evaluation of individuals who have either critical medical conditions or sustained acute injuries, and their subsequent pre-hospital treatment. Students are minimally expected to have the knowledge and skills to perform basic life support and elementary treatment to stabilize a patient for transport to a hospital but not be proficient in utilizing complex life sustaining equipment. Students are expected to know first aid, understand when more experienced or sophisticated help is needed, and to prioritize the need for care. They also must do no harm. The first aid provider is not expected to offer the same level of care as a licensed EMT. This course offers 3 Rutgers University credit with the passing of the final exam.

## OBJECTIVES, ESSENTIAL QUESTIONS, ENDURING UNDERSTANDINGS

- Amniotic sac: thick transparent sac that holds the fetus and amniotic fluid. Fluid provides cushioning to protect the fetus from injury
- Bloody show: also referred to as the mucus plug that will be expelled at the beginning phases of labor
- Placenta: organ where exchange of nutrients and waste products occurs between mother and fetus.
- Umbilical cord: extension of the placenta delivering nutrition to the fetus
- Labor: childbirth is divided into three stages: from first uterine contraction until the cervix is fully dilated, delivery of baby, and delivery of the placenta
- Crowning: occurs when the fetus's head begins to bulge out of the vaginal opening
- Prolapsed cord: occurs when the umbilical cord protrudes from the birth canal before the head is delivered
- Breech presentation: occurs when the baby's buttocks or legs start exiting the vagina before the head
- Premature Baby: baby born before 37 weeks gestation  
Ectopic pregnancy: a pregnancy

that develops outside the uterus often in the fallopian tubes

## **CONTENT AREA STANDARDS**

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SCI.HS-LS1-2                      Develop and use a model to illustrate the hierarchical organization of interacting systems that provide specific functions within multicellular organisms.

## **RELATED STANDARDS (Technology, 21st Century Life & Careers, ELA Companion Standards are Required)**

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LA.RH.11-12.3                      Evaluate various perspectives for actions or events; determine which explanation best accords with textual evidence, acknowledging where the text leaves matters uncertain.

LA.RH.11-12.4                      Determine the meaning of words and phrases as they are used in a text, including analyzing how an author uses and refines the meaning of a key term over the course of a text (e.g., how Madison defines faction in Federalist No. 10).

LA.RH.11-12.8                      Evaluate an author’s claims, reasoning, and evidence by corroborating or challenging them with other sources.

LA.WHST.11-12.1.B                      Develop claim(s) and counterclaims using sound reasoning and thoroughly, supplying the most relevant data and evidence for each while pointing out the strengths and limitations of both claim(s) and counterclaims in a discipline appropriate form that anticipates the audience’s knowledge level, concerns, values, and possible biases.

LA.WHST.11-12.1.E                      Provide a concluding paragraph or section that supports the argument presented.

WRK.9.2.12.CAP                      Career Awareness and Planning

TECH.9.4.12.CI                      Creativity and Innovation

TECH.9.4.12.CT                      Critical Thinking and Problem-solving

## **STUDENT LEARNING TARGETS**

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### **Declarative Knowledge**

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Students will understand that:

- Amniotic sac: thick transparent sac that holds the fetus and amniotic fluid. Fluid provides cushioning to protect the fetus from injury

- Bloody show: also referred to as the mucus plug that will be expelled at the beginning phases of labor
- Placenta: organ where exchange of nutrients and waste products occurs between mother and fetus.
- Umbilical cord: extension of the placenta delivering nutrition to the fetus
- Labor: childbirth is divided into three stages: from first uterine contraction until the cervix is fully dilated, delivery of baby, and delivery of the placenta
- Crowning: occurs when the fetus's head begins to bulge out of the vaginal opening
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### **Procedural Knowledge**

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Students will be able to:

- Label male and female reproductive systems
- Label and identify the components of menstruation
- Identify the 3 parts of human development
- Demonstrate care and positioning for labor
- Demonstrate care during delivery

### **EVIDENCE OF LEARNING**

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## **Formative Assessments**

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- worksheets
- chapter review
- nearpod
- edpuzzle
- crash course

## **Summative Assessments**

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- - Benchmarks – departmental benchmark given at the end of MP1, MP2, and MP3 based on lab practices
  - Alternative Assessments
    - Lab inquiries and investigations
    - Lab Practicals
    - Exploratory activities based on phenomenon
    - Gallery walks of student work
    - Creative Extension Projects
    - Build a model of a proposed solution
    - Let students design their own flashcards to test each other
    - Keynote presentations made by students on a topic
    - Portfolio

## **RESOURCES (Instructional, Supplemental, Intervention Materials)**

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Textbook required by Rutgers University:

Advanced First Aid, CPR, and AED, Seventh Edition

Jones and Bartlett

ISBN-13: 978-1284105315

ISBN-10: 1284105318

## **INTERDISCIPLINARY CONNECTIONS**

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- Information writing
- Ethics
- Data Analysis

## **ACCOMMODATIONS & MODIFICATIONS FOR SUBGROUPS**

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See link to Accommodations & Modifications document in course folder.