

## DESE Model Curriculum

GRADE LEVEL/UNIT TITLE: 9-12 CTE/ **Unit 3** Examining Pre-Natal Development Concerns

Course Code: 096821

### **COURSE INTRODUCTION:**

**Course Description:** Child Development I is an introductory course designed for all students and is especially relevant for students interested in careers that utilize knowledge of children, child development, and the nurturing of children. Course content addresses issues of child development from conception/prenatal through age 3. It includes the study of prenatal development and birth; growth and development of children; child care giving and nurturing; and support systems for parents and caregivers. This course provides the foundation for continuing and post-secondary education in all career areas related to children, child development, and nurturing of children. Child Development I or Human Development will satisfy the prerequisite requirement for Child Development II.

### **Course Rationale:**

To improve the quality of life for Missouri's children, performance competencies in the Child Development I course taught in Family and Consumer Sciences Education programs enable students to:

- a) construct meaning pertinent to the development, guidance and supervision of the child;
- b) communicate effectively with family members, and early childhood providers;
- c) solve problems based upon the developmental needs of children;
- d) make decisions that support the sound physical, mental and social development of children; and
- e) assess the impact of the parenting role in society.

### **Guiding Principles:**

***Integrating Processes of Thinking, Communication, Leadership, and Management In Order To Apply Child Development Knowledge and Skills.***

1. Demonstrate components of critical thinking, creative thinking, and reasoning.
2. Evaluate effective communication processes in school, family, career, and community settings.
3. Demonstrate leadership that encourages participation and respect for the ideas, perspectives, and contributions of group members.
4. Apply management, decision-making, and problem solving processes to accomplish tasks and fulfill responsibilities.
5. Examine the interrelationships among thinking, communication, leadership, and management processes to address family, community, and workplace issues.
6. Demonstrate fundamentals for college and career success (e.g., strong work ethic, time-management, positive attitude, adaptability/flexibility, stress resilience, accountability, self-discipline, resourcefulness, cooperation, self-assessment).
7. Utilize FCCLA programs and activities to facilitate the growth and development of young children.

### **Course Essential Questions:**

1. What are the roles and responsibilities of a parent in assuring the positive development of a child?
2. What is the impact of the parenting role on society?
3. What are the roles and responsibilities of society in nurturing children?
4. How do the physical, social, emotional and cognitive stages of development impact a child later in life?

## DESE Model Curriculum

GRADE LEVEL/UNIT TITLE: 9-12 CTE/ **Unit 3** Examining Pre-Natal Development Concerns

Course Code: 096821

<p><b>UNIT DESCRIPTION:</b> Unit 3 – EXAMINING PRE-NATAL DEVELOPMENT CONCERNS</p> <p>In this unit students will explore health concerns and needs before and during pregnancy.</p>	<p><b>SUGGESTED UNIT TIMELINE:</b> 7 class periods  <b>CLASS PERIOD (min.):</b> 90 minute blocks</p>					
<p><b>ESSENTIAL QUESTIONS:</b></p> <ol style="list-style-type: none"> <li>1. Why is preconception health important for both males and females?</li> <li>2. What does a healthy pregnancy look like?</li> </ol>						
<p><b>ESSENTIAL MEASURABLE LEARNING OBJECTIVES</b></p>						
				<b>CCSS ELA Grade Level</b>	<b>NSFCSE</b>	<b>DOK</b>
1. Explain the importance of a healthy preconception period for males and females.				SL.11-12.1 WHST.11-12.9  SL.9-10.1 WHST.9-10.9	12.2.1	1
2. Understand environmental and hereditary influences on prenatal development and long-term effects on the health of children.				SL.11-12.1 WHST.11-12.6 SL.9-10.1 WHST.9-10.6	15.4.1	1
3. Identify the characteristics of a healthy prenatal period, including environmental factors and appropriate prenatal tests used to determine the health of mother and fetus.				SL.9-10.1 SL.11-12.1	15.4.1	1

## DESE Model Curriculum

GRADE LEVEL/UNIT TITLE: 9-12 CTE/ **Unit 3** Examining Pre-Natal Development Concerns

Course Code: 096821

4. Describe fetal development during pregnancy.				SL.9-10.1 SL.11-12.1	15.4.1	1
5. Explain the process of labor and delivery.				SL.9-10.1 SL.11-12.1	15.4.1	1
<p><b>ASSESSMENT DESCRIPTIONS*:</b> (Write a brief overview here. Identify Formative/Summative. Actual assessments will be accessed by a link to PDF file or Word doc.)</p> <p><b>FORMATIVE ASSESSMENT 1</b>_Genetic Counseling Study Guide-Preconception Planning and Fetal Health  <b>FORMATIVE ASSESSMENT 1</b>_Genetic Counseling Study Guide Key-Preconception Planning and Fetal Health                      Ounce of Prevention, Chapter 6 Study Guide corresponds with “Genetic Counseling” booklet #09-022-00 from March of Dimes.</p> <p><b>FORMATIVE ASSESSMENT 2</b>_Alcohol Use During Pregnancy Study Guide  <b>FORMATIVE ASSESSMENT 2</b>_Alcohol Use During Pregnancy Study Guide Key                      Ounce of Prevention, Chapter 3 Study Guide that corresponds with the notes students have taken on the Chapter 3 PowerPoint on Alcohol and Fetal Alcohol Syndrome</p> <p><b>FORMATIVE ASSESSMENT 3</b>_ Foldable Examples for Birth Defect Assessment  <b>FORMATIVE ASSESSMENT 3</b>_ Birth Defect Foldable Rubric                      Birth Defect: Foldable: Students will create a Foldable</p> <p><b>SUMMATIVE ASSESSMENT 1</b>_Health Concerns During Pregnancy  <b>SUMMATIVE ASSESSMENT 1</b>_Health Concerns During Pregnancy Key                      Unit Test: After learning about the material of this unit, the student can take the Unit Test</p> <p><b>*Attach Unit Summative Assessment, including Scoring Guides/Scoring Keys/Alignment Codes and DOK Levels for all items. Label each assessment according to the unit descriptions above (i.e., Grade Level/Course Title/Course Code, Unit #.)</b></p>						
<b>Obj. #</b>	<b>INSTRUCTIONAL STRATEGIES (research-based):</b> (Teacher Methods)					
1	1. INSTRUCTIONAL STRATEGY 1_Preconception Planning - Teacher presents PowerPoint on Preconception Planning and class discussion. Teacher uses the Preconception Anticipation Guide Key - Teacher Key to Anticipation Guide on Preconception Health to assess students’ completion of the Preconception Anticipation Guide before and after the PowerPoint.					

## DESE Model Curriculum

GRADE LEVEL/UNIT TITLE: 9-12 CTE/ **Unit 3** Examining Pre-Natal Development Concerns

Course Code: 096821

1	2. INSTRUCTIONAL STRATEGY 2_ Formative Assessment 1_Genetic Counseling Study Guide - Teacher directs students to take Formative Assessment 1. Teacher uses Genetic Counseling Study Guide Key to grade Formative Assessment 1
3 4	3. INSTRUCTIONAL STRATEGY 3_ View the March of Dimes video “ Healthy Food Choices” at <a href="http://www.youtube.com/watch?v=uPjLlt79qYU">http://www.youtube.com/watch?v=uPjLlt79qYU</a> (accessed on 11-07-12)
3 4	4. INSTRUCTIONAL STRATEGY 4_Prenatal Tests - Teacher presents PowerPoint on Prenatal Tests and class discussion
3 4	5. INSTRUCTIONAL STRATEGY 5_Teacher will provide the Birth Defects Pretest for students to complete
3 4	6. INSTRUCTIONAL STRATEGY 6_Birth Defects - Teacher presents PowerPoint on Birth Defects and class discussion
5	7. INSTRUCTIONAL STRATEGY 7_Fetal Development - Teacher presents PowerPoint on Fetal Development and class discussion
3 4	8. INSTRUCTIONAL STRATEGY 8_Folic Acid - Teacher presents PowerPoint on Folic Acid and class discussion
3 4	9. INSTRUCTIONAL STRATEGY 9_ Folic Acid -Teacher gives directions for students to log onto webpage and take the online quiz. <a href="http://www.cdc.gov/ncbddd/folicacid/quiz.html">http://www.cdc.gov/ncbddd/folicacid/quiz.html</a> (accessed on 11-07-12)
3 4	10. INSTRUCTIONAL STRATEGY 10_Alcohol - Teacher presents PowerPoint on Alcohol use during pregnancy and class discussion and complete Fetal Alcohol Syndrome note sheets.
3 4	11. INSTRUCTIONAL STRATEGY 11_Formative Assessment 2_Alcohol Use During Pregnancy Study Guide Teacher directs students to take Formative Assessment 2 using the key to score student responses.
3 4	12. INSTRUCTIONAL STRATEGY 12_Tobacco - Teacher presents PowerPoint on Tobacco use during pregnancy and class discussion
3 4	13. INSTRUCTIONAL STRATEGY 13_Smoking During Pregnancy Notes - Students will complete note sheet on Smoking during Pregnancy after viewing Tobacco PowerPoint presentation
3 4	14. INSTRUCTIONAL STRATEGY 14_Tobacco and Low Birth Weight Key – Students complete the worksheet using: March of Dimes, <a href="http://www.marchofdimes.com/medicalresources_lowbirthweight.html">http://www.marchofdimes.com/medicalresources_lowbirthweight.html</a> or other websites Teacher Key for the worksheet on Tobacco and Low Birth Weight
3 4	15. INSTRUCTIONAL STRATEGY 15_Formative Assessment 3 - Foldables Examples for Birth Defect Assessment Teacher will provide instructions for Foldable project using examples. Teacher uses the rubric to assess student Foldables project.
6	16. INSTRUCTIONAL STRATEGY 16_Labor and Delivery Teacher presents PowerPoint on Labor and Delivery and class discussion

## DESE Model Curriculum

GRADE LEVEL/UNIT TITLE: 9-12 CTE/ **Unit 3** Examining Pre-Natal Development Concerns

Course Code: 096821

1 2 3 4 5	17. INSTRUCTIONAL STRATEGY 17 – Summative Assessment 1_ - Health Concerns During Pregnancy Teacher directs students to take the Summative Assessment
<b>Obj. #</b>	<b>INSTRUCTIONAL ACTIVITIES: (What Students Do) Teacher-led discussions on these topics.</b>
1	1. INSTRUCTIONAL ACTIVITY 1_ Preconception Anticipation Guide - Students will complete the Anticipation Guide on Preconception Health before and after PowerPoint presentation
1	2. INSTRUCTIONAL ACTIVITY 2_ Formative Assessment 1_ Genetic Counseling Study Guide Students take Formative Assessment 1.
3 4	3. INSTRUCTIONAL ACTIVITY 3_ Healthy Pregnancy Diet - Students will complete the Dietary Guidelines worksheet after watching online video March of Dimes video “ Healthy Food Choices” at <a href="http://www.youtube.com/watch?v=uPjLjt79qYU">http://www.youtube.com/watch?v=uPjLjt79qYU</a> (accessed on 11-07-12)
3 4	4. INSTRUCTIONAL ACTIVITY 4_ Prenatal Tests - Students will complete Prenatal Tests note sheet from PowerPoint presentation
3 4	5. INSTRUCTIONAL ACTIVITY 5_ Birth Defects Pretest - Students will complete the Birth Defects Pretest before the Birth Defect PowerPoint presentation
3 4	6. INSTRUCTIONAL ACTIVITY 6_ Birth Defects Notes Students will complete the Birth Defects note sheet from the Birth Defects PowerPoint presentation
5	7. INSTRUCTIONAL ACTIVITY 7_ Fetal Development Students will complete the note sheet from the Fetal Development PowerPoint presentation
3 4	8. INSTRUCTIONAL ACTIVITY 8_ Folic Acid Notes Students will complete the note sheet from the Folic Acid PowerPoint presentation
3 4	9. INSTRUCTIONAL ACTIVITY 9_ Folic Acid Online Quiz - <a href="http://www.cdc.gov/ncbddd/folicacid/quiz.html">http://www.cdc.gov/ncbddd/folicacid/quiz.html</a> (accessed on 11-07-12) Students will complete the quiz on Folic Acid found online from web site
3 4	10. INSTRUCTIONAL ACTIVITY 10_ Students will view the PowerPoint on Alcohol use during pregnancy and participate in class discussion. Students will complete the note sheets on Fetal Alcohol Syndrome (FAS) from the Alcohol PowerPoint presentation
3 4	11. INSTRUCTIONAL ACTIVITY 11_ Formative Assessment 2_ Alcohol Use During Pregnancy Study Guide Students will complete Formative Assessment 2

## DESE Model Curriculum

GRADE LEVEL/UNIT TITLE: 9-12 CTE/ **Unit 3** Examining Pre-Natal Development Concerns

Course Code: 096821

3 4	12. INSTRUCTIONAL ACTIVITY 12_Tobacco – Students will participate in a class discussion following viewing the Tobacco PowerPoint.
3 4	13. INSTRUCTIONAL ACTIVITY 13_Smoking During Pregnancy Notes - Students will complete note sheet on Smoking during Pregnancy from PowerPoint presentation
3 4	14. INSTRUCTIONAL ACTIVITY 14_ Tobacco and Low Birth Weight - Students will complete the student worksheet on Tobacco using the web site located at: March of Dimes or other websites <a href="http://www.marchofdimes.com/medicalresources_lowbirthweight.html">http://www.marchofdimes.com/medicalresources_lowbirthweight.html</a>
3 4	15. INSTRUCTIONAL STRATEGY 15_Formative Assessment 3 - Foldables Examples for Birth Defect Assessment Students will complete the Foldable project per teacher’s instructions.
6	16. INSTRUCTIONAL ACTIVITY 16_Labor and Delivery Students will view the PowerPoint and complete the Labor and Delivery worksheet
1 2 3 4 5	17. INSTRUCTIONAL ACTIVITY 17_ Summative Assessment 1_ – Health Concerns During Pregnancy Students complete Summative Assessment

**UNIT RESOURCES: (include internet addresses for linking)**

**Ounce of Prevention: Addressing Health Issues of Adolescents and Young Adults, A Curriculum Resource, 2011**

*Published by University of Missouri Extension in cooperation with the March of Dimes and the Missouri Department of Health and Senior Services*

- a. Ounce of Prevention “The Bubble” page 1-8 in binder
- b. Ounce of Prevention: Month-by-Month development chart (learning activity 4c)
- c. Ounce of Prevention: Table Tents (learning activities 4c)

Fetal Models: Nasco: [www.enasco.com](http://www.enasco.com)

Video: “...and down will come baby” <http://archive.org/details/gov.ntis.ava19693vnb1> U.S. Department of Education, download free or watch online

Video: Nova: The Miracle of Life from Amazon.com. Show final scene of labor/delivery  
“Life’s Greatest Miracle” Nova

FCCLA: National Program in Action and Chapter Service Project Display, and/or Manual could be used in conjunction with this unit.

## DESE Model Curriculum

GRADE LEVEL/UNIT TITLE: 9-12 CTE/ **Unit 3** Examining Pre-Natal Development Concerns

Course Code: 096821

Chapter Service Project Display project for Newborns in Need. Located at [fclclainc.org](http://fclclainc.org)

**CCSS: Common Core State Standards (CCSS)**, accessed May 17, 2013, from <http://www.corestandards.org/>

**CCTC: Common Career Technical Core (CCTC)**, accessed May 17, 2013 from <http://www.careertech.org/career-technical-education/cctc/info.html>

**MSFCSE: National Standards for Family and Consumer Sciences Education**, accessed May 30, 2013 from <http://www.nasafacs.org/national-standards-home.html>

**Resources@MCCE - FCS 20.0107 R978 - Parents and Their Children (2002 Edition)**, Verdene Ryder, TINLEY PARTK, IL, GOODHEART-WILLCOX COMPANY, 2002. Contents: 1) Parenting as a Career; 2) Parenting: A Choice; 3) Families; 4) Effective Parenting; 5) Planning a Family; 6) Pregnancy; 7. Prenatal Care 8) Decisions Facing Parents-to-Be; 9) Childbirth; 10) New Parents, New Baby; 11) Parents and Their Infants; 12) Parents and Their Toddlers; 13) Parents and Their Preschoolers; 14) Parents and Their School-Age Children; 15) Parents and Their Teens; 16) Theories and Guidelines; 17) Guiding Healthy Development; 18) Family Concerns; 19) Family Crises; 20) Substitute Child Care; 21) Children's Education and Health; 22) The Challenge of a Child-Related Career

**Resources@MCCE - FCS 20.0201 K677 - An Ounce of Prevention: Addressing Birth Defects Related to Folic Acid, Alcohol and Tobacco**, Lori Williamson-Kruse, Brenda Bell, Carrie L. Chou, COLUMBIA, MO, THE CURATORS OF THE UNIVERSITY OF MISSOURI, 2005. A high school curriculum designed to impact the lifestyle of students so that the health of babies will be improved. Grades 9 and 10.

**Resources@MMCE - FCS DVD ROM 23.1 - Alcohol & Pregnancy: Making Healthy Choices**, InJoy, LONGMONT, CO, INJOY, 2010. This program was developed as a way to start a dialogue about the harmful effects of alcohol during pregnancy. It can be used to convey the motivational message that fetal alcohol spectrum disorders (FASD) are 100 percent preventable. Created to capture the attention of teens and young adults--but appropriate for mature audiences as well--this program is impactful, positive, and prevention-oriented. 10 minutes.

**Resources@MMCE - FCS DVD ROM 24.3 - Healthy Journey: Your Contemporary Guide to Pregnancy**, InJoy Videos, LONGMONT, CO, INJOY VIDEOS, 2007. This program presents the latest information in the fields of fetal development, nutrition, prenatal healthcare, and more. Throughout the program, diverse families share their thoughts and reveal the steps they are taking to help ensure their babies are born healthy. Also included are Ask Dr. Amy segments, featuring an approachable obstetrician who answers challenging questions, emphasizing the

## DESE Model Curriculum

GRADE LEVEL/UNIT TITLE: 9-12 CTE/ **Unit 3** Examining Pre-Natal Development Concerns

Course Code: 096821

importance of making informed choices. Other highlights include a variety of healthy tips, advice for dads and support people, and amazing fetal fun facts. 62 minutes.

**Resources@MCCE - FCS DVD ROM 75 - Fetal Alcohol Exposure: Changing the Future**, Films for the Humanities & Sciences, PRINCETON, NJ, FILMS FOR THE HUMANITIES & SCIENCES, 2006. This program addresses the diagnoses of fetal alcohol spectrum disorders and the primary and secondary disabilities associated with FASD. The in utero effects of alcohol are considered as well, as are the facial, bodily, neurological, cognitive, and behavioral characteristics of FASD. Recommended for grades 9+. 31 minutes.

**Resources@MCCE - H DVD ROM 30.51 - Human Reproduction and Childbirth**, Human Relations Media, MT. KISCO, NY, HUMAN RELATIONS MEDIA, 2009. This program illustrates the biological functions of the different parts of the male and female reproductive systems. It shows how millions of sperm race through the uterus and into the fallopian tube where fertilization occurs, and subsequently how the fertilized egg develops into an embryo. Program also describes the basics of menstruation. Animated graphics detail the different stages or trimesters of embryonic and fetal development. The program also follows a young couple through the woman's pregnancy, as both husband and wife describe the importance of good nutrition, sleep, low stress, and avoidance of alcohol and drugs. The process of birth is described as the young couple talks about their joy at the birth of their baby daughter. Grades 7 to College. 21 minutes.

**Resources@MCCE - FCS DVD ROM 24.2 - Understanding Childbirth**, Learning Seed, CHICAGO, IL, LEARNING SEED, 2011. This program explores approaches to childbirth, including different methods and environments, as well as what to consider when creating a birth plan. Viewers learn about contractions, how to discern true labor from false labor, the three stages of labor, and the appropriate time to call a medical professional. See what to expect during a traditional delivery or a Cesarean section. 32 minutes.