

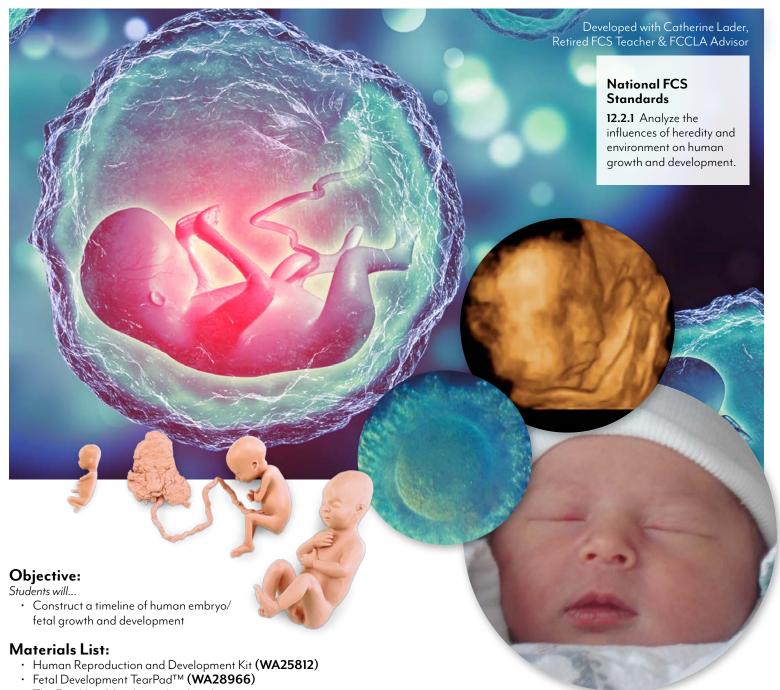






# THE FIRST NINE MONTHS

Volume 18 / Middle School



- The First Nine Months student handout
- · Flexible SAFE-T® Ruler (TB17801)
- · Analog Scale or Platform Scale
- · Glue Stick (2100118) or Masking Tape
- · Poster Board (9702906)
- · White Board
- · Dry-Erase Markers
- · Assorted Human Physiology/Parenting Resources

#### Introduction (10-15 minutes)

Ask students how many of them have seen a newborn? Have students share how the newborn looked. What characteristics can babies inherit from their parents? What is the average weight and average length of a newborn (7 lbs. and 20")? Next, students will investigate embryo and fetal development. Have students set up a table on paper like what appears on the white board (see next page).



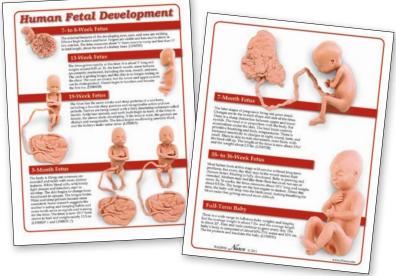
Weight	Object of Similar Weight	Stage of Development (Days & Months)
0.81 oz.		
12½ oz.		
2½ lbs.		
5½ lbs.		
Length	Object of Similar Length	Stage of Development (Days & Months)
Length 34"		Stage of Development (Days & Months)
		Stage of Development (Days & Months)
3/4"		Stage of Development (Days & Months)

Students complete the chart by measuring and weighing objects in the classroom to fill in the middle column of the table (the third column will be filled in during Activity 2). Have students work with a partner.

### Activity 1 (20-25 minutes)

Distribute pages from the Fetal Development TearPad $^{TM}$ . Every small group of students receives one packet of The First Nine Months handouts ( $4\frac{1}{4}$ " x  $5\frac{1}{2}$ ") developed for this lesson. Each group member is responsible for independently completing one or two handouts by sketching and describing the stage of development on the handout. Resources available include models, transparencies #6-11 from kit, student handouts #5-10 from this kit, and human physiology/parenting resources in classroom.





#### Activity 2 (10-15 minutes)

Small groups reconvene and verify all handouts are complete. Individuals share their sketches and descriptions with group members. Make a special note of traits that can be inherited. As a group, complete the third column of the table from the lesson introduction.

#### Conclusion (10-15 minutes)

Each group arranges their handouts to form a timeline from a 20-day embryo to a full-term baby. Attach to poster board or on the wall and add a title. Be ready to share with the class three of the most noticeable physical changes that occur during prenatal development. Discuss why this knowledge of prenatal development would be important to prospective parents. What traits can be inherited from parents? Are there environmental factors that could impact the first nine months of development? If yes, site examples. This sets the stage for the next lesson that focuses on the effect of heredity and environment on human growth and development.



As I See It	Did You Know?
Sketch a 20-Day Embryo	Describe a 20-day embryo using different facts.
	⇔
	⇔
Check One:  Actual Size A Sketch	<b>⇒</b>
	-
Sketch a 26-Day Embryo	Describe a 26-day embryo using different facts.
	⇔
	$\Rightarrow$
Check One:	<b>⇒</b>
Check One:  ☐ Actual Size ☐ A Sketch	⇔
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C	
	ut Here
	st Nine Months
The Fire	st Nine Months
The First	ot Nine Months  Did You Know?  Describe a 35-day embryo using different facts.
The First	st Nine Months  Did You Know?
The First	ot Nine Months  Did You Know?  Describe a 35-day embryo using different facts.
The First	st Nine Months  Did You Know?  Describe a 35-day embryo using different facts.
The First	st Nine Months  Did You Know?  Describe a 35-day embryo using different facts.
As I See It  Sketch a 35-Day Embryo  Check One:	Did You Know?  Describe a 35-day embryo using different facts.
As I See It  Sketch a 35-Day Embryo	St Nine Months  Did You Know?  Describe a 35-day embryo using different facts.
As I See It  Sketch a 35-Day Embryo  Check One:	Did You Know?  Describe a 35-day embryo using different facts.
As I See It  Sketch a 35-Day Embryo  Check One:	Did You Know?  Describe a 35-day embryo using different facts.
As I See It  Sketch a 35-Day Embryo  Check One:	Did You Know?  Describe a 35-day embryo using different facts.
As I See It  Sketch a 35-Day Embryo  Check One:	Did You Know?  Describe a 35-day embryo using different facts.
As I See It  Sketch a 35-Day Embryo  Check One:	Did You Know?  Describe a 35-day embryo using different facts.
As I See It  Sketch a 35-Day Embryo  Check One:	Did You Know?  Describe a 35-day embryo using different facts.

☐ Actual Size

☐ A Sketch

How I See It	Did You Know?
Sketch a 7-to 8-Week Fetus	Describe a 7-to 8-week fetus using different facts.
	⇨
	⇨
	⇨
Cu	ut Here
The Firs	t Nine Months
How I See It	Did You Know?
Sketch a 13-Week Fetus	Describe a 13-week fetus using different facts.
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	⇔
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	⇨
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Did You Know?
Describe a 15-week fetus using different facts.
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Cut Here
irst Nine Months
Did You Know?
Describe a 5-month fetus using different facts.
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⇨
⇨
<b>⇔</b>

How I See It	Did You Know?		
Sketch a 7-Month Fetus	Describe a 7-month fetus using different facts.		
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	⇔		
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	t Nine Months		
The Firs	t Nine Months		
The Firs	t Nine Months  Did You Know?		
The Firs	t Nine Months		
The Firs	t Nine Months  Did You Know?		
The Firs	t Nine Months  Did You Know?  Describe a full-term baby using different facts.		
The Firs	t Nine Months  Did You Know?  Describe a full-term baby using different facts.		
The Firs	t Nine Months  Did You Know?  Describe a full-term baby using different facts.		
The Firs	Thine Months  Did You Know?  Describe a full-term baby using different facts.		
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The Firs	Did You Know?  Describe a full-term baby using different facts.		
The Firs	Thine Months  Did You Know?  Describe a full-term baby using different facts.		

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