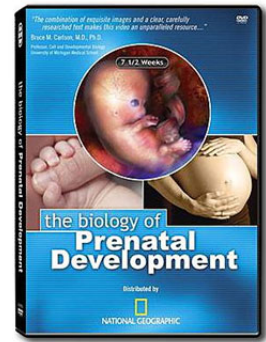


TEN MINUTE LESSON PLAN

For classroom presentation



The science of human embryology has advanced by leaps and bounds in recent years. In uterine video technology now exists that lets us actually watch developing human life inside the womb. We will watch some of the more spectacular highlights of prenatal development from this National Geographic video.

Clip #	Start	End	Suggested teacher pre-able before starting the clip
1	1 min 44 sec	2 min 41 sec	In this first clip, we will see video of the embryo at seven weeks. We will see its head, eyes, nose, hands, fingers, its beating heart and the embryo moving around. We will also hear about how important the time spent in the womb is for life immediately after birth and into adulthood.
2	2 min 55 sec	3 min 41 sec	In this next clip, we'll see footage of the embryo at eight weeks old and nine weeks old. We will see how active the developing human is as he moves around in the uterus. We will also hear how most of the major body systems are formed within the first eight weeks after fertilization.
3	12 min 36 sec	13 min 14 sec	In this clip, we are going to see the embryo at a younger stage of development, four weeks and four days. We will see early images of the embryo's beating heart -- it starts beating at three weeks and one day. We will also see how the full body plan begins to emerge as early as three to four weeks after fertilization.
4	18 min 05 sec	18 min 37 sec	Here we will see an embryo at six weeks and six days old. This is the stage at which the embryo begins making reflexive movements to promote neuro-muscular growth. We will also see the hands and feet of the embryo, which started appearing at five weeks, as well as the external ear.
5	22 min 41 sec	24 min 13 sec	This next clip will show the embryo at eight weeks. We will see how right or left-handed preferences already exist inside the womb. We will also see how the embryo rolls over in the uterus, displaying tremendous coordination. Several different types of motion are also going to be displayed by the embryonic being.
6	24 min 43 sec	25 min 31 sec	This is our final clip. We are still at eight weeks and there is some important information in it. We will hear how at this stage of human development, nearly 90% of the structures found in adults are now possessed by the fetus.