

## HOPDOG Lesson Plan:

### Biology 4490 Basic Concept Video Group Assignment (7.5%)

Group #:	
Module #:  Basic Concept Topic:	YouTube Channel: <a href="https://studio.youtube.com/channel/UC54Nx-VK4h4QIIRWI3Twj0Q">https://studio.youtube.com/channel/UC54Nx-VK4h4QIIRWI3Twj0Q</a>
Due Date: One week after completing your assigned module.	

**Your Goal:** For this assignment, your group will follow what I call the HOPDOG method. It is the mandatory format I want you to use to design and deliver a YouTube video demonstrating a basic concept in developmental biology. This video is meant to be FUN and ENGAGING while clearly demonstrating the BASIC concept of your chosen topic.

**Topic choice:** Your group can choose any topic from your assigned course module.

**Learning gains:** This exercise was designed to include the kinesthetic (you learn best by doing) and visual learners (you learn best through visual aids, such as diagrams, charts, demonstrations and videos) in this class.

This exercise will also increase your critical thinking skills and your 21<sup>st</sup> century skills [teamwork (online; f2f), assessing teamwork (reflection), feedback/revise]

**Video examples:** I have posted some video examples on photosynthesis on our Developmental Biology YouTube channel. I did NOT use the HOPDOG method to make these videos. However, they should give you

an idea of the types of props and format you can use. Obviously, your video isn't meant to be professional, and you can use any material you think will clearly convey the basic concept of the process you've chosen to demonstrate.

### HOPDOG method

**1. Hook us:** *How are you going to draw us in right away? Engage us! Clearly tell us why we should care about your chosen basic developmental concept.*

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Points: /2

**2. Objectives:** *Tell us what you want us to get out of this lesson.*

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Points: /1

**3. Pre-test:** *Ask us a clear question to test our knowledge about your chosen basic developmental concept. Ask us to pause your video and try to answer your question on our own before proceeding. Or do it some other way...*

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Points: /1

**4. Demonstration of basic concept:** *What materials/props are you going to use to help us learn this concept? Tell us why these items/materials were so great to use.*

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Points: /4

**5. Overview:** *Re-state the purpose and highlight key points*

Points: /1

**6. Gains:** *How will you determine if we achieved the outcomes? (Pose a question; create a Kahoot quiz; give us an exercise to complete for class etc.)*

Points: /2

**Feedback questions for this group:**

1. What did the instructors do that helped the participants learn?

2. What did the instructors have the participants do that helped them learn?

3. What was the highlight(s) of this lesson for you?

4. What suggestion(s) would you offer to enhance this lesson?