**Digestive System & Nutrition Assignments**

**Outside of Class – Flipped Classroom Activities**

**Overview of Nutrition and the Digestive System**

1. Watch the video “Crash Course: Biological Molecules – You are what you Eat” at <https://www.khanacademy.org/partner-content/crash-course1/partner-topic-crash-course-bio-ecology/crash-course-biology/v/crash-course-biology-103>, complete the attached worksheet while you view the video. Then complete the online quiz on Blackboard. Note: You may access the video directly through Blackboard also.
2. Watch the video “How Do Vitamins Work?” at <https://ed.ted.com/lessons/what-s-the-value-of-vitamins-ginnie-trinh-nguyen>, complete the attached worksheet while you view the video. Then complete the online quiz on Blackboard. Note: You may access the video directly through Blackboard also.
3. Watch the video “Crash Course: The Digestive System” at <https://www.khanacademy.org/partner-content/crash-course1/partner-topic-crash-course-bio-ecology/crash-course-biology/v/crash-course-biology-127>, complete the attached worksheet while you view the video. Then complete the online quiz on Blackboard. Note: You may access the video directly through Blackboard also.

**In-Depth Examination of Digestion and Enzymatic Activity Using Fat and Lactase as the Representative Molecules**

1. Review the “Click and Learn” Activity at: <http://www.hhmi.org/biointeractive/molecular-structure-fat>, complete the attached worksheet while you view the video. Then complete the online quiz on Blackboard. Note: You may access the Click and Learn directly through Blackboard also.
2. Review the “Click and Learn” Activity at <http://www.hhmi.org/biointeractive/how-body-uses-fat>, complete the attached worksheet while you view the video. Then complete the online quiz on Blackboard. Note: You may access the Click and Learn directly through Blackboard also.
3. Review the “Click and Learn” Activity at <http://www.hhmi.org/biointeractive/lactose-digestion-infants>, complete the attached worksheet while you view the video. Then complete the online quiz on Blackboard. Note: You may access the Click and Learn directly through Blackboard also.

**Activities Completed in Class**

* [**http://www.hhmi.org/biointeractive/got-lactase-blood-glucose-data-analysis**](http://www.hhmi.org/biointeractive/got-lactase-blood-glucose-data-analysis) **modified version**