

Honors Biology Summer Assignment

Welcome to Honors Biology! This course is designed to challenge your ability to comprehend, retain and apply new concepts. You will also be tasked with collecting data, carrying out experiments and analyzing data to draw conclusions. We will dive deep into a range of topics and we will do so in a fairly short amount of time. In order to get a jump start on the year and to keep you thinking scientifically, I will need you to complete a few tasks so that we are ready to get started in September. All assignments must be printed out and submitted handwritten. No typed work will be accepted. Before you complete the assignment, watch the corresponding video (s). **Firm due date: September 11, 2025.**

Part I: [Thinking Scientifically](#)

This assignment will help you to understand the purpose of science.

Video:

▶ What is Science?

Part II: [Experimental Variables](#)

This assignment will help you to understand how to answer a question scientifically. Specifically, how to test a hypothesis using an experiment.

Video:

▶ Nature of Science

Part III: [Scientific Data](#)

This assignment will help you to understand how to read different types of graphs and how to analyze data.

Videos:

▶ Statistics for Science

▶ Standard Deviation and Standard Error of the Mean

You can also use this summer assignment as a self-assessment tool to be sure Honors Biology is the right course for you:

Statement	Interpretation
This assignment was not super challenging for me and I moved through it fairly smoothly.	This class is a good fit.
This assignment was challenging but I worked through it referring to the video resources when I needed to.	This class is a good fit.
Parts of this assignment were fine but parts of it were challenging. I used the videos but I feel that I need some help with some of the questions.	This class is a good fit but be prepared to study and seek extra help when necessary. Don't let yourself get lost or fall behind!

Parts of this assignment were ok but parts of it were very challenging. I used the videos but I'm still not sure if I completed this correctly. I feel that I need help with certain aspects but I feel ok about other aspects.	This class will be challenging so you will need to stay on top of the work and seek help throughout the year. Be ready to work hard and you will succeed!
I struggled to get through this assignment. The resources were not helpful and I feel I really need to go over most of it with a teacher.	This class may be a bit difficult. Be prepared to work hard and to seek extra help often.

Please feel free to reach out to me at any time during the summer. I can help you get through the assignment and to determine if this class will work for you. Keep in mind that success in a class is very personal and individual. Success means that you have met the goal that you have set for yourself. That can look different for different people. I can help you to identify your goal for yourself for this year and we can discuss how best to meet that goal.

Email: corrie.kemple@wwrsd.org

Don't worry if I am not listed as your biology teacher on your schedule. I can still assist you with the summer assignment and any other concerns that you may have about the class.

Have a great summer!!