**Backward Planning**

**May:** Graduation, Testing, Grading, Final grades due, summer school, etc. You are turning stuff in. Teachers are doing their last bit of teaching and assessments. How many credits did you earn? How many credits do you have left? Are you on track for graduation?

STUDENTS WILL HAND IN THEIR FINAL LAB REPORTS/ EXPERIMENT WRITE UPS TO SHOW THEY HAVE DEMONSTRATED THAT THEY KNOW OR TRIED TO CONDUCT AN EXPERIMENT USING THE SKILLS AND KNOWLEDGE WE HAVE GAINED OVER THE SCHOOL YEAR.

**April:** Testing, 6th 6 weeks

Writing, organizing experiment data, etc. Turn in early if they wish.

How is the microscopic related to the macroscopic?

How can we use our understanding of genomics to explain phenomena happening at the macroscopic level?

**March:** Testing/Test Prep, Spring Break, Conferences

Organizing of experimental photos, figures, data, writing, etc.

Careers in Biology

**February:** 5th 6 weeks

Heredity

Ethics

Online practice and focused research

Test prep?

**January:** 4th 6 weeks, mid-year assessments, welcome back!

Conduct experiments?

Continue discussion of DNA

Re-organize

**December:** End of 1st semester, final grades due, winter break, mid-year assessments, and how many credits did you earn?

Finalize experiment idea, procedure, materials, and what you are measuring observing.

Reflect on the 1st semester

Organize

MOY Biology assessment

**November:** 3rd 6 weeks, Thanksgiving Break, Election Day, Veteran’s Day

Designing a testable experiment

Controls

Variables

How can we trust science?

How is DNA related to the cell?

Stay organized!

**October:** 2nd 6 weeks

Microscopes

Structure and function of cells

Review of prokaryotes and eukaryotes and their differences in structure and function

Include plant, animal, and bacteria organelles

Stay organized!

**September:** BOY assessments (NWEA MAP school wide)

Review: What does it mean to be alive? Characteristics of living things. How can we tell if something is living or not, for example a tree v. a rock?

Ms. Chavez Does a Lab

The class does a lab.

Groups or individuals do a lab.

Prefixes

Lab Safety

Lab Procedure

Observations, asking questions, forming testable hypotheses

**August**: 1st 6 weeks, Welcome Back! Let’s get organized!

Measurements

Lecture, practice, and lab

Notetaking

Pre-test

Calendars

Class “rules” and procedures

How to use a textbook, dictionary, thesaurus, online as well

Accounts to follow on Social Media

Apps to download

Learning Styles