

Three documents. One week. No guessing.

You were handed a calendar, a story, and a comic for the same course. They are not three versions of the same thing and they are not extra reading. Each one answers a different question, and they all sit on the same set of dates. Here is how to use them together.

1 The alignment, on one real day

SAME DATE · SAME LAB · THREE VIEWS

Wednesday, November 18 PRINCIPLES OF BIOMEDICAL SCIENCE · UNIT 3, LESSON 3.1

THE CALENDAR SAYS

What is due, and where does it go?

Epidemic curve and agent identification lab. Submit your Lesson 3.1 outbreak lab responses in myPLTW before you leave.

Goes to **Data Tables**

Night before: **Epidemiology tools notes**, about 25 minutes

THE STORY SAYS

What will this actually feel like?

The best lab of the semester. We took raw case data and built the line list, plotted an epidemic curve, made a spot map, and ran identification tests to narrow the agent.

Written by an **invented student**. The lab is real, the student is not.

THE COMIC SHOWS

What does the room look like?

One panel for that day: the case data on the board, the curve going up, a group arguing about which agent fits the pattern.

Use it to **recognize the day** before you live it, or to catch up after missing it.

2 What each one is for

OPEN THE RIGHT ONE

DOCUMENT ONE

The calendar

- ◆ Every school day has a topic, the exact PLTW step to finish that day, and the folder the work goes to
- ◆ Purple chips are work at home the night before. Blue chips are weekend work
- ◆ Grey-green boxes with no topic are catch-up days, left open on purpose
- It will not tell you why a lesson matters

DOCUMENT TWO

The story

- ◆ One week per page, first day to last, in a student's voice
- ◆ Says out loud how long the homework took that week and what was hard
- ◆ Shows what a good week looks like from the inside, including the mistakes
- It is fiction. No real student appears in it

DOCUMENT THREE

The comic

- ◆ At least one illustrated panel for every day of the course
- ◆ Words and pictures together, so a lab you have never done is still recognizable
- ◆ Fastest way back in after an absence, and the easiest to read with a family member
- It is not a substitute for the lab itself

One spine holds all three. Every date in the story and every panel in the comic is generated from the same schedule that prints the calendar. If a date moves, all three move together. That is why you can open any one of them and land on the same day.

3 Why three formats and not one handout

WHAT THE RESEARCH SUPPORTS

A map before the trip

A structure given *before* new material helps you file it as it arrives. That is the calendar's job, and why it is handed out on day one rather than week six.

Advance organizers, Ausubel 1960

Pictures with words

People learn more from words and images together than from words alone, when the two are about the same thing at the same time. That is the comic, panel-matched to the day.

Dual coding, Paivio; multimedia principle, Mayer

Spread it out, test yourself

Of ten common study techniques reviewed, spacing practice over time and testing yourself rated highest for real learning. Hence nightly minutes instead of cramming, and an exit ticket every Monday.

Dunlosky et al. 2013

A story sticks

Narrative is generally recalled better than the same content written as explanation. The story is a worked example of a good week, mistakes included, not a pep talk.

Narrative recall, Graesser and colleagues

Where the work actually goes.

Three documents tell you what to do. Three places are where you do it. Mixing them up is the single most common way work goes missing.

4 The three places, in order

WEBSITE → CLEVER → MYPLTW

1 The class website: what to do and why

mendozabiomed.org Pick your class, then open the day. Every school day has its own page with the learning target, the plan, the lab or activity, key vocabulary, and the links you need. The glossary, the practice section, and the catch-up steps for a missed day all live here. **This is also where you turn the work in.**

2 Clever: the door to everything district

On the class site the button reads **Open Clever (Schoolology + myPLTW)**. One sign-in, and it carries you into both. If a link ever asks for a password twice, you went around Clever instead of through it.

3 myPLTW, this site, and Schoolology: what each one is for

myPLTW is where the activity is done. You turn the finished work in on the class site, or hand it to Mr. Mendoza in class. Both count the same. **Schoolology** shows the report-card grade and nothing else, so you never submit there. Work that only exists on paper, or only in a chat, has not been turned in.

5 How to actually use this

TWO ROUTINES

Student, five minutes a day

The site's own three steps, in order.

PICK Open the **student hub** and tap your course. That is your home base: today's focus, what is due, and class news.

OPEN Open today's page. Read the learning target before the activity, not after.

DO Follow the steps, then **turn the work in on this site, or hand it to Mr. Mendoza.** Check the calendar for the folder and the night-before chip for tomorrow.

CATCH UP Missed a day? Read that day's comic panel first, then the story page for that week, then open the day page. Three minutes and you know what you missed.

THE 6 Rs Record, Reduce, Review, Reflect, Recite, Revise. The notebook is set up for it in week one and it carries the whole semester.

Family, five minutes a week

You do not need to know the biology to be useful here.

SUNDAY Open the calendar to this week. Count the purple and blue chips. That is the at-home work, and it is **assigned, not optional.**

ASK 1 "What is the topic on the calendar for tomorrow?" It is printed on every day, so there is a right answer.

ASK 2 "Did it get turned in on the class site or handed to Mr. Mendoza, or is it still sitting in your folder?" Done and turned in are different.

ASK 3 "Show me the week in the story." It states plainly how long the homework should take, so you can tell a heavy week from a stalled one.

IF STUCK The catch-up steps are printed on every day page. Message me before a missing assignment becomes a grade.

Read the story and the comic as fiction. The lessons, labs, and dates in them are the real planned course. The student, the classmates, and the conversations are invented. Partner activities such as the Cleveland Clinic rotation, the John Carroll ethics Mondays, and the research morning are what we are planning, not what is confirmed. Treat them as intentions.