

Calculus Home Learning Plan for April 27-May 1:

This week, we will begin the final unit of the year, Unit 7: Applications of Integration. Now that we know how to DO basic integration, we will experience how the definite integral and the fundamental theorem are used in all kinds of unexpected contexts.

Goals:

Use integration to find the average value of a function

Use integration to find the volume of a solid

Schedule an online test of Integration Basics when you are ready for it!

Expectations for the week:

- You can pace yourself as you choose, but here is my recommendation:

Date	Day	Topic
4/27	Monday	Finding the average value of a function You can either join a 30 minute live lesson OR read how to do this.
4/28	Tuesday	HW #1: Average Value If you have questions: Schedule a meeting with Diane
4/29	Wednesday	Independent Learning or catch up. Are you feeling behind? I'm available today to help you catch up with work from before the break. Reach out to me, and we will make a plan!
4/30	Thursday	Introduction to finding VOLUME with integration You should join me for a live lesson on this. I'll record it—but this is too good to miss!
5/1	Friday	HW #2: Some volume problems Need help? You can book an appointment with me: Schedule a meeting with Diane

All materials are posted in the class notebook. I'm putting a new tab in the HOMEWORK section each week with the Home Learning Week overview and information about how to find all the things.

[Parent link](#) for class notebook

How I will communicate/provide help:

- I'm available for individual or group appointments through Bookings.
- I am checking my email first thing every morning and throughout the day on weekdays.

What is due by Monday, May 3:

- HW #1 and HW #2
- A PLAN for doing your integration Basics test