



W2D2Memo 1

12 November 2021

Hello W2D2 participating teachers,

If you are getting this by direct email and not on "Cc" then this Memo is a confirmation of your registration. Thank you for joining!

Let's go right to the latest information. First, on the website (<http://tiny.cc/w2d2>):

- *Homepage - Resources.* The Intro slides are the updated version for the new measurement we started using in 2020. They should be helpful in your classroom.
- *Homepage - Resources.* There are two spreadsheets. The "Local Google Sheet" is for your class. The teacher can make a copy of this and share with students to record the results from their tally sheets. The "Worldwide Google Sheet" is for teachers to report class results. While teachers do not need to use the Local sheet - they can collect results from students and make class histograms however they decide - they must report class results on the Worldwide sheet.
- *Homepage - Get the word out.* We have an updated flyer for students. The press release is downloadable as a PDF; if you want a Word version that you can edit, please send me an email.
- *ATLAS and CMS pages.* We have two screencasts for students on each of these pages. The first presents an overview of W2D2 based on the Intro slides and the second is a step-by-step procedure for making the measurement. All students (and teachers!) should view these screencasts.

Coming events:

- We will have two online Teacher Q&A sessions on or close to Tuesday 23 November. Details in the next Memo!
- Speaking of which, *the next two Memos are scheduled for Tuesdays* as the later parts of those weeks are spoken for.
- Our videoconferences will be on Wednesday 1 December UTC and we need physicist moderators. If you know (or are) a physicist who might be interested, please contact me and I will follow up.

Finally, teachers asked some good questions last year. These are reproduced with answers below, updated for 2021, in the hope that they may help you or others. Feel free to send your questions as well!

All the best,

Ken



Teacher Questions about W2D2:

1- Is the World Wide Data Day activity all day?

The whole activity takes about 2 hours from beginning to end. And only the 30-minute videoconference must be on 1 December UTC. The preparation and data analysis can be done before that day.

2 - What time does the activity start?

You choose when to do the data analysis activity and you sign up for a videoconference time range when you register. You may not get the exact time you request, though, depending on availability. The more slots you sign up for, the easier it is to match you up with one you prefer.

3 - At what time will the group present results?

Each class looks at its own results at the time the teacher chooses. The results from his or her class are added to the "Worldwide Google Sheet" and the plots are made automatically. The teacher and students discuss these plots in the videoconference with the moderators.

4 - What is the preferred number for a group?

I'd say as few as 1-2 students or as many as around 30. If you have more than 30 students, I would suggest putting them in more than one videoconference.

5 - Are the online Q&A sessions only for teachers?

Mostly yes. If you have students who are connecting remotely on 1 December, they can join along with you to test their connection.

6 - When is the page available to analyze the events? To communicate to students?

It is all available now. Here are the steps:

- Go to the Worldwide Google Sheet* and see which datasets have been used so far
- Pick less used data and assign it to your students
- Have students go to the ATLAS** or CMS*** page
- They should then watch the videos and go to their datasets in HYPATIA** or iSpy***
- Students record results in the Tally sheet*
- If your students are remote, they can transfer their numbers to the Local Google Sheet*
- Either way, you tabulate the results for the whole class
- Enter in the Worldwide Google Sheet*
- Discuss local results with class.

* [W2D2 Homepage](#)

** [W2D2 ATLAS page](#)

*** [W2D2 CMS page](#)

7 - Do the events already need to be analyzed by 1 December or are they analyzed on that same day?

This is up to you: whatever works best for your class.