

Essential Question: How can a mathematical lens help us to deeper unpack the assumptions we make about the world and seek after truth?

Notice/Wonder Protocol (15 minutes)

In this protocol, students closely study a single image

When to use this:

This works very well as a regular (even daily) routine at the start of class, particularly if students are studying an image that introduces concepts they will be diving into in more detail during the rest of the class.

Set up:

Teacher puts a graph, chart, or other image on the projector, or puts copies on every table

Step 1: silent study (5 minutes)

Students make a t-chart in their notebooks, and observe what they NOTICE about the image, and what they WONDER.

I notice...	I wonder...

Step 2: Discussion at tables (5 minutes)

Students share their observations and wonderings around the table

Step 3: Student-led full-class discussion (5 minutes)

As a full class, students share their observations and wonderings, building their knowledge and the sophistication of their analysis together, and identifying questions that set up the topic for the rest of the lesson.