

YOUR MISSION: MAKE A VESTA FLIPBOOK!

Here you go...

- Print out the images of Vesta (1.)
 - black and white is fine – the original images were also black and white
- Cut the 20 images of Vesta along the lines *with care* (2.)
- Order the images 1 to 20 and place in a neat stack (3.)

Question: What do you think the other numbers are associated with each image?

Think geometry...

- Staple one end of your flipbook
 - Does it matter which end?
- Flip your book and that of your friend (4.)
- What do you observe?

Questions to ponder:

1. What strategies help you observe Vesta best?

- Observing more closely or further away?
- From a certain angle?
- Other?

2. Discuss as a team where you believe Vesta's axis of rotation is. In other words, if Vesta were whirling around an imaginary pole, like a top spins, like the Earth does about the North and South Poles, where would that pole be located?

- Sketch possible axes (*axes = the plural of axis – your group has more than one idea? Sketch more than one axis*) of rotation on your first Vesta image.

3. If you had a chance to make your flipbook again, what would help?

- Who in your group gets the primo flipbook prize – more importantly why?

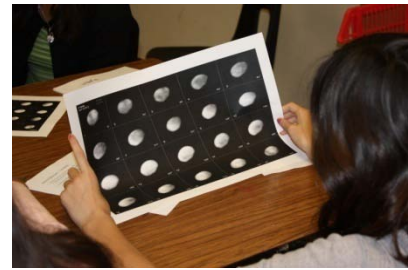
4. Brainstorm as a team: how might this compare to the ways that scientists develop techniques to make sense of data?

5. Visit <http://dawn.jpl.nasa.gov/multimedia/videos.asp> to see other animations of Vesta using the same images you worked with.

- **Try the one on the top right, called “Animation of Vesta” first**

– it will look very familiar!

1.



2.



3.



4.



