

Use a model, name its limits

GS_W6B | Tuesday 09:30–10:10 | Name: _____

I can: Use a model and year data to explain planetary motion.

Give your own answer by writing, drawing, pointing, speaking or dictating. Keep the first attempt visible.

1 • Make a first decision

If gravity stopped acting in our simple orbit model, would Earth head directly outwards from the Sun?

2 • Our shared task

Approximate orbital periods in Earth days. Which comparisons support “farther out, longer year” for these planets?

Planet	Year / Earth days
Mercury	88
Earth	365
Mars	687

- Compare Earth with Mars.
- Why is a single hand-made orbit not enough evidence to measure a year?

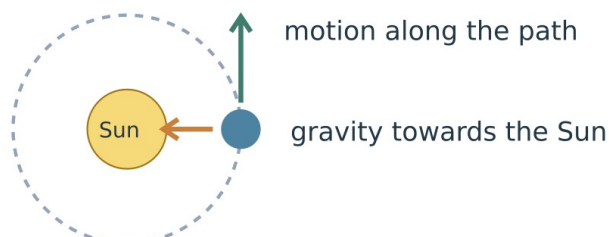
My decision and the evidence for it:

One change after discussion:

Use a model, name its limits

Independent evidence | GS_W6B

Draw a two-arrow orbit model and use two values from the table to explain a year-length comparison. Add one limitation of your model.



Schematic, not to scale. Counters are moved by hand; they do not test gravity.

My explanation, drawing or recorded evidence:

Optional support: Use “The model shows It does not show ...”. Compare 687 with 365.

Exit: How can a model be useful and still have a limitation?

What I want to revisit: _____ Agreed next action: _____