

A Diagram of the Earth-Sun Relationship

Notice that the Earth's tilt is always directed towards one place in space (in this model, it is towards the left. But notice all you need to do is move your perspective to underneath or some other side, and saying the pole tilts towards "the left" becomes meaningless. Something to keep in mind when you talk about how models are limited.) The Earth moves around the Sun during a year, changing the line-up between forward tilt and Sun, and hence causing the seasons. For example, when the Sun is on the same side as the forward tilt, the Northern Hemisphere has summer.

