

God said... “Let there be light...”

Light in Time Marches On...

It’s hard to understand the mathematics of time and light, especially when we say that God created the world in 6 days in the earth’s time frame, yet “gravitational time dilation” would allow for much longer periods of time to pass at the most distant stars.

So what does this mean??

Let’s try a simple activity to give you an idea...

Have you ever watched a marching band? Everyone stands in a row and walks in a line. Well, try this activity.

You are going to turn at a corner.

Have four to five students stand shoulder-to-shoulder. (The larger the group the better.)

The person on the inside of the corner (the Earth) takes tiny steps and covers a very short distance. In the same amount of time the person at the end (the distant stars) must take very large steps to cover a much greater distance in the same amount of time.

You can do this activity and all walk in a circle. Make sure your shoulders stay touching! The person on the inside will take baby steps and each of the others will take bigger steps.

If you used the same “increments” to measure the time and distance traveled by the marcher on the inside of the corner, then the marcher farthest away would look as if he had been traveling a long time!

