

Teacher: Middle School Teachers

Student:

C O R N E R S T O N E C H R I S T I A N C O L L E G E

Class: 7/8

Term: 2

Date Given: Mon. 28th July

Due Date: 14th August (Thurs Wk 4)

Submitted:

Activity Title: Integrated assessment

TASK DESCRIPTION: Students are to complete a series of activities based on the topic *'The sun, moon, and Earth'*.

Things you will be marked on ✓	Your mark	Section is worth
Health: In an accurate and detailed manner, describe how the sun and moon affect our health.		50
Bible: Type out five Biblical references to the sun and moon. Evaluate these five references.		50
Science: Explain the origin of our current time periods.		50
1. Maths: Students are to research the changes in sunrise and sunset times throughout the year. a. Students must explain and demonstrate how to calculate the length of the days and nights. b. Students are to plot sunrise time, sunset time, day length and night length for Busselton on a series of time-series graphs running from 1 January to 31 December 2014. c. Graphs need to be plotted by hand or on computer software from the data supplied. Graphs which are "cut and paste" from books or the internet will receive no marks. There is no penalty or particular reward for graphing by hand or by computer: both will be assessed by the quality of the work and presentation. d. Using both words and the graphs above, discuss the summer and winter solstices and the spring and autumn equinoxes.		50 (10) (30) (10)
English: Write three different types of poems about the earth, moon, or sun.		20
TOTAL		250

The Sun, Moon, and Earth

This assignment covers work from Science, Maths, Health, Bible, and English.

The topic is to do with 'The Sun, Moon, and Earth'.

1. Describe five different ways in which the sun and the moon have an influence on our health. Be accurate and try to give specific examples and facts.
2. What does the Bible say about the sun and the moon? Type out any quotations in red colour. Try to find at least five different references, and give your own opinion about the importance of those references.
3. Explain the origin of our current system of time – i.e. decade, year, season, month, week, day, hour, minute, second. (For example, why are there 60 minutes in an hour? Seven days in a week?)
4. Students are to research the changes in sunrise and sunset times throughout the year.
 - a. Students must explain and demonstrate how to calculate the length of the days and nights.
 - b. Students are to plot sunrise time, sunset time, day length and night length for Busselton on a series of time-series graphs running from 1 January to 31 December 2014.
 - c. Graphs need to be plotted by hand or on computer software from the data supplied. Graphs which are “cut and paste” from books or the internet will receive no marks. There is no penalty or particular reward for graphing by hand or by computer: both will be assessed by the quality of the work and presentation.
 - d. Using both words and the graphs above, discuss the summer and winter solstices and the spring and autumn equinoxes.
5. Write three different types of poems about the earth, moon, or sun.

Note: You will lose 20% per day your assessment is late. After one week, you will receive no marks. You will, however, still have to complete the assessment! Please present your work for marking in the order listed above. The completed work should be handed in to your form teacher in one package.

