

Astronomy Lesson II

Topic : Calculating Calendars

Time : 2 hours

Lesson Objectives :

- To recognize the link between astronomy and calendars
- To recognize the different types of calendars based on cultures and faiths
- To construct and use a perpetual calendar

Methodology :

- Lecture
- Multi media
- Group work
- Hands-on

Equipment :

- Lap top, projector and screen
- Perpetual calendar kit
- Scissors and press button
- Astronomy Multi media slides and DVD

Part I (60 mins)

Lecture on the Calendar covering :

- Movements of the Sun, Moon and Earth.
- DVD on sun-moon-earth system
- Calendrical systems of different faiths and culture
- Lunar, Solar and Lunisolar calendars
- Singapore Public Holidays
- Briefing on construction of perpetual calendar.

Part II (60 mins)

Construction of perpetual calendar :

- Breakup into groups/class
- Construct calendar
- Use calendar to tell dates of the near future.