

ASTRONOMY: GOD'S UNIVERSE

36-WEEK SCHEDULE, LEVEL B

WEEK 1

INTRODUCTION

Class 1: What is Astronomy?

Class 2: History of Astronomy, Part 1

Class 3: History of Astronomy, Part 2

Activity: History of Astronomy Timeline

WEEK 2

INTRODUCTION AND MEASUREMENTS

Class 4: History of Astronomy, Part 3

Activity: History of Astronomy Timeline

Class 5: Astronomical Measurements

Class 6: Parallax Explained

Activity: Parallax

WEEK 3

THE SOLAR SYSTEM

Review: Class 1-6

Class 7: The Solar System: Introduction and Planets

WEEK 4

THE SOLAR SYSTEM

Class 8: The History of Planet Discovery

Class 8.1: Telescopes

Class 9: Introduction to Naturalism and Creation

WEEK 5

THE SOLAR SYSTEM

Class 10: Mercury

Activity: Journey Through the Solar System Book: Mercury

Class 11: Venus

Activity: Journey Through the Solar System Book: Venus

** Level B-only classes are indicated by a decimal place, ex. Class 8.1.*

WEEK 6
THE SOLAR SYSTEM

Class 12: Earth, Mars, and the Asteroid Belt

Activity: Journey Through the Solar
System Book: Earth, Mars, and the
Asteroid Belt

Class 13: Jupiter

Activity: Journey Through the Solar
System Book: Jupiter

WEEK 7
THE SOLAR SYSTEM

Class 14: Saturn

Activity: Journey Through the Solar
System Book: Saturn

Class 15: Uranus

Activity: Journey Through the Solar
System Book: Uranus

WEEK 8
THE SOLAR SYSTEM

Class 16: Neptune

Activity: Journey Through the Solar
System Book: Neptune

Activity: The Planets

Class 16.1: Planet Naming

Class 17: The Moon

WEEK 9
THE SOLAR SYSTEM AND SUN

Class 17.1: Moon Phases

Activity: Observing the Moon

Class 18: The Sun: Overview

Class 19: The Sun: Structure

Activity: Sun Structure Diagram

WEEK 10
THE SUN

Class 20: The Sun: Sunspots and Coronal
Mass Ejections

Class 20.1: Solar Wind

Review: Class 7-20.1

WEEK 11
THE STARS

Class 21: The Stars: Introduction

Class 22: The Stars: Distances, Colors &
Temperatures, Numbers

Activity: Star Color

Class 22.1: Binary Stars and Gravity, Part 1

Activity: Experiencing Gravity

Class 22.2: Binary Stars and Gravity, Part 2

WEEK 12
THE STARS, NEBULAE AND GALAXIES

Class 22.3: Star Classification

Activity: Star Classification Mnemonic

Class 22.4: Star Magnitude

Class 23: Nebulae

Class 24: Galaxies and the Milky Way

WEEK 13
GALAXIES AND CONSTELLATIONS

Class 25: Galaxy Clusters and Size of the Universe

Class 25.1: Constellations: History, Part 1

Class 25.2: Constellations: History, Part 2

Class 25.3: Constellations: The Basics

Activity: The Right Conditions

Class 26: Constellations: Using a Star Map

Activity: Connect the Constellation Dots

WEEK 14
CONSTELLATIONS AND BELIEFS

Class 27: Constellations: The Big and Little Dipper, Orion, and Canis Major

Activity: Constellation Flash Cards

Class 27.1: Constellation Movement

Review: Class 21-27.1

Class 28: Foundation of Beliefs

WEEK 15
BELIEFS

Class 29: Naturalism is Illogical

Class 30: Creation is Logical

WEEK 16
BELIEFS

Class 31: Belief in God: Matter

Activity: Everything Has a Beginning

Class 32: Belief in God: Purpose

Activity: Design

WEEK 17
BELIEFS

Class 33: Belief in the Bible: Prophecy

Class 34: Belief in the Bible: Miracles and Archaeology

WEEK 18
CONFIRMED BY SCRIPTURE

Review: Class 28-34

Class 35: Confirmed by Scripture: Genesis
1:14-16

WEEK 19
CONFIRMED BY SCRIPTURE

Class 36: Confirmed by Scripture: Genesis
15:5

Activity: Counting to Ten Septillion

Class 37: Confirmed by Scripture: Isaiah 40:22

WEEK 20
CONFIRMED BY SCRIPTURE

Class 38: Confirmed by Scripture: Job 26:7,
10

Class 39: Confirmed by Scripture: Genesis 2:2
and John 1:3

Activity: Matter Changes Forms

WEEK 21
PROBLEMS FOR NATURALISM

Review: Class 35-39

Class 40: Problems for Naturalism:
Introduction

WEEK 22
PROBLEMS FOR NATURALISM

Class 41: Problems for Naturalism: Big Bang
and Evolution

Class 42: Problems for Naturalism: Antimatter
and Dark Matter

Class 42.1: More About Matter and
Antimatter, Part 1

Class 42.2: More About Matter and
Antimatter, Part 2

WEEK 23
PROBLEMS FOR NATURALISM

Class 43: Problems for Naturalism: Dark
Energy

Class 43.1: More About Dark Matter and Dark
Energy, Part 1

Class 43.2: More About Dark Matter and Dark
Energy, Part 2

Class 44: Problems for Naturalism: Solar
Systems & Star Formation

WEEK 24
FORMATION OF THE SOLAR SYSTEM

Class 45: Formation of the Solar System,
Part 1

Class 46: Formation of the Solar System,
Part 2

Review: Class 40-46

WEEK 25
SUPERNATURAL ORIGINS

Class 47: Supernatural Origins: Genesis 1:1

Class 48: Supernatural Origins: Genesis
1:14-16 & Isaiah 45:12

Class 48.1: Other Naturalism Model Universe
Origin Concepts

WEEK 26
**EVIDENCE FOR A YOUNG UNIVERSE
AND BLACK HOLES**

Class 49: Evidence for a Young Universe:
Comets

Class 50: Evidence for a Young Universe:
Asteroids

Class 50.1: Black Holes

WEEK 27
SUPERNATURAL ORIGINS

Class 50.2: Supernovae and Other Celestial
Objects

Class 51: Supernatural Origins: Jeremiah
32:17, 33:25

Class 52: Supernatural Origins: Hebrews 1:3,
11:3

Activity: Creating

WEEK 28
SUPERNATURAL ORIGINS

Class 53: Supernatural Origins: Romans
1:19, 20

Review: Class 47-53

WEEK 29
THE UNIVERSE IS DESIGNED

Class 54: The Universe is Designed: Genesis
1, Isaiah 45:18: Gravity in Space and on Earth

Class 55: The Universe is Designed: Galaxy
Shape and Position

WEEK 30
THE UNIVERSE IS DESIGNED

Class 56: The Universe is Designed: Distance from the Sun, Tilt of the Earth, Size of the Moon

Class 57: The Moon: How Did it Get There?

WEEK 31
THE UNIVERSE IS DESIGNED

Class 58: The Moon: Failure of the Giant Impact Theory

Class 59: The Moon: Lunar Recession

WEEK 32
**THE UNIVERSE IS DESIGNED
AND SPACE EXPLORATION**

Class 60: The Universe is Designed: Oxygen Level, CO₂ Level, Interaction with the Moon

Class 61: The Universe is Designed: Chances of Life Elsewhere, Failed SETI, Biosphere

Class 61.1: Space Exploration, Part 1

Class 61.2: Space Exploration, Part 2

WEEK 33
**GRAVITATIONAL LENSING AND
CREATION OF THE UNIVERSE**

Class 61.3: Gravitational Lensing

Review: Class 54-61.3

Class 62: The Order of Creation: Exodus 20:8, 11

WEEK 34
CREATION OF THE UNIVERSE

Class 63: Biblical Age of the Universe

Class 63.1: Other "Creation" Models

Class 64: Distant Starlight and the Horizon Problem

Class 64.1: Light Travel Time Problems, Part 1

WEEK 35
**CREATION OF THE UNIVERSE
AND RELATIVITY**

Class 64.2: Light Travel Time Problems, Part 2

Class 65: Evidence for a Young Universe

Class 66: Review

Class 66.1: Relativity, Part 1

WEEK 36
RELATIVITY

Class 66.2: Relativity, Part 2

Class 66.3: Relativity, Part 3

Class 66.4: Relativity, Part 4

Review: Class 62-66.4