Wyoming Department of Education Required Virtual Education Course Syllabus					
	Niobrara County School District # 1				
Program Name	Wyoming Virtual Academy	Content Area	SC		
Course ID	D-OTH-032V1-DYN		9-12		
Course					
Name	Astronomy	# of Credits	0.5		
SCED Code	03004G0.5011	Curriculum Type	K12 Inc		
		COURSE DESCRIPT	ION		
of modern H Additional top	the night sky, humans have been fascinated with the stars, planets, and universe. This course introduces students to the study of astronomy, including its history and development, basic scientific laws of motion and gravity, the concepts of modern HIGH SCHOOL 47 astronomy, and the methods used by astronomers to learn more about the universe. Additional topics include the solar system, the Milky Way and other galaxies, and the sun and stars. Using online tools, students examine the life cycle of stars, the properties of planets, and the exploration of space. WYOMING CONTENT AND PERFORMANCE STANDARDS				
STANDARD#	BENCHMARK (Standard/Indicator) Use the Standards and Benchmarks as Spreadsheets				
HS-ESS1-2	Construct an ex	Construct an explanation of the Big Bang theory based on astronomical evidence of light spectra, motion of distant galaxies, and composition of matter in the universe.			
HS-ESS1-3	Communicate scientific ideas about the way stars, over their life cycle, produce elements.				
HS-ESS1-4	Use mathematical or computational representations to predict the motion of orbiting objects in the solar system.				
HS-ESS1-6	Apply scientific reasoning and evidence from ancient Earth materials, meteorites, and other planetary surfaces to construct an account of Earth's formation and early history.				
		-	composition of the nucleus of the atom and the		
HS-PS1-8	energy	released during the processes of	of fission, fusion, and radioactive decay.		
HS-ETS1-5	Evaluate the validity and reliability of claims in a variety of materials.				
		SCOPE AND SEQUE	NCE		
UNIT OUTLINE	OUTCOMES OUTLINE STANDARD# OUTCOMES OBJECTIVES/STUDENT CENTERED GOALS				

	Learn about the interactions between the Sun,
	Earth, and Moon
	Describe how the motion of the Earth causes
1: The Earth, Moon, and Sun	seasons and night-day cycle.
Systems 1.00 Unit Summary	Identify the characteristics and phases of the
1.00 What Will You Learn in This Unit?	moon
Unit?	Explore how the moon's gravitational pull
	manipulates tides on Earth.
	Distinguish between a lunar eclipse and a solar eclipse
	Learn about the interactions between the Sun, Earth, and Moon
	Describe how the motion of the Earth causes seasons and night-day cycle.
1: The Earth, Moon, and Sun	Identify the characteristics and charge of the
Systems 1.01 History of Astronomy	Identify the characteristics and phases of the moon
1.02 Night and Day Cycles	Evalors how the mean's gravitational null
	Explore how the moon's gravitational pull manipulates tides on Earth.
	Distinguish between a lunar eclipse and a solar
	 eclipse
	Learn about the interactions between the Sun, Earth, and Moon
	Describe how the motion of the Earth causes
1: The Earth, Moon, and Sun	seasons and night-day cycle.
Systems	Identify the characteristics and phases of the
1.03 Solstices and Equinoxes 1.04 Lunar Phases	moon
1.05 Eclipses	Explore how the moon's gravitational pull
	manipulates tides on Earth.
	Distinguish between a lunar eclipse and a solar
	eclipse

		Learn about the interactions between the Sun, Earth, and Moon Describe how the motion of the Earth causes
		seasons and night-day cycle.
1: The Earth, Moon, and Sun Systems 1.06 Questions to Think About		Identify the characteristics and phases of the moon
		Explore how the moon's gravitational pull manipulates tides on Earth.
		Distinguish between a lunar eclipse and a solar eclipse
		Learn about the interactions between the Sun, Earth, and Moon
1: The Earth, Moon, and Sun		Describe how the motion of the Earth causes seasons and night-day cycle.
Systems 1.07 Text Questions 1.07 Graded Assignment: Text		Identify the characteristics and phases of the moon
Questions		Explore how the moon's gravitational pull manipulates tides on Earth.
	HS-ESS1-2, HS-ESS1-4	Distinguish between a lunar eclipse and a solar eclipse
		Learn about the interactions between the Sun, Earth, and Moon
1: The Earth, Moon, and Sun		Describe how the motion of the Earth causes seasons and night-day cycle.
Systems 1.08 Lab Questions 1.08 Graded Assignment: Lab		Identify the characteristics and phases of the moon
Questions		Explore how the moon's gravitational pull manipulates tides on Earth.
	HS-ESS1-2, HS-ESS1-4	Distinguish between a lunar eclipse and a solar eclipse

		Learn about the interactions between the Sun, Earth, and Moon
		Describe how the motion of the Earth causes seasons and night-day cycle.
1: The Earth, Moon, and Sun Systems 1.09 Quiz Review 1.10 Quiz Game		Identify the characteristics and phases of the moon
		Explore how the moon's gravitational pull manipulates tides on Earth.
	HS-ESS1-2, HS-ESS1-4	Distinguish between a lunar eclipse and a solar eclipse
		Learn about the interactions between the Sun, Earth, and Moon
1: The Earth, Moon, and Sun		Describe how the motion of the Earth causes seasons and night-day cycle.
Systems 1.11 Quiz: The Earth, Moon, and Sun Systems		Identify the characteristics and phases of the moon
1.12 Discussion 1		Explore how the moon's gravitational pull manipulates tides on Earth.
	HS-ESS1-2, HS-ESS1-4	Distinguish between a lunar eclipse and a solar eclipse
		Learn about the interactions between the Sun, Earth, and Moon
		Describe how the motion of the Earth causes seasons and night-day cycle.
1: The Earth, Moon, and Sun Systems 1.13 Discussion 2 1.14 Podcast		Identify the characteristics and phases of the moon
1.141 000031		Explore how the moon's gravitational pull manipulates tides on Earth.
	HS-ESS1-2, HS-ESS1-4	Distinguish between a lunar eclipse and a solar eclipse
		Learn about the interactions between the Sun, Earth, and Moon
1: The Earth, Moon, and Sun Systems (cont.) 1.13 Discussion 2 1.14 Podcast		Describe how the motion of the Earth causes seasons and night-day cycle.
	HS-ESS1-2, HS-ESS1-4	Identify the characteristics and phases of the moon

		Explore how the moon's gravitational pull manipulates tides on Earth.
		Distinguish between a lunar eclipse and a solar eclipse
		Describe the study of the cosmos
		Discuss the theory of the origin of the universe
2: The Universe 2.00 Unit Summary 2.00 What Will You Learn in This		Examine the evidence that supports the big bang theory
Unit?		Examine the composition on matter and how it is distributed within the universe
		Describe the theories of evolution and fate of the universe.
		Describe the study of the cosmos
		Discuss the theory of the origin of the universe
2: The Universe 2.01 Introduction to Cosmology 2.02 What is the Universe?		Examine the evidence that supports the big bang theory
	Oniverse?	Examine the composition on matter and how it is distributed within the universe
		Describe the theories of evolution and fate of the universe.
		Describe the study of the cosmos
		Discuss the theory of the origin of the universe
2: The Universe 2.03 Origin of the Universe 2.04 Age of the Universe		Examine the evidence that supports the big bang theory
2.05 Fate of the Universe		Examine the composition on matter and how it is distributed within the universe
		Describe the theories of evolution and fate of the universe.

	1	
		Describe the study of the cosmos
		Discuss the theory of the origin of the universe
2: The Universe 2.06 Questions to Think About		Examine the evidence that supports the big bang theory
		Examine the composition on matter and how it is distributed within the universe
		Describe the theories of evolution and fate of the universe.
		Describe the study of the cosmos
		Discuss the theory of the origin of the universe
2: The Universe 2.07 Text Questions 2.07 Graded Assignment: Text		Examine the evidence that supports the big bang theory
Questions		Examine the composition on matter and how it is distributed within the universe
	HS-ESS1-2, HS-ESS1-3, HS- PS1-8	Describe the theories of evolution and fate of the universe.
		Describe the study of the cosmos
		Discuss the theory of the origin of the universe
2: The Universe 2.08 Lab Questions 2.08 Graded Assignment: Lab		Examine the evidence that supports the big bang theory
Questions		Examine the composition on matter and how it is distributed within the universe
	HS-ESS1-2, HS-ESS1-3	Describe the theories of evolution and fate of the universe.
		Describe the study of the cosmos
		Discuss the theory of the origin of the universe
2: The Universe 2.09 Quiz Review 2.10 Quiz Game		Examine the evidence that supports the big bang theory
		Examine the composition on matter and how it is distributed within the universe
	HS-ESS1-2, HS-ESS1-3	Describe the theories of evolution and fate of the universe.

		Describe the study of the seemes
		Describe the study of the cosmos
		Discuss the theory of the origin of the universe
2: The Universe 2.11 Quiz: The Universe 2.12 Discussion 1		Examine the evidence that supports the big bang theory
		Examine the composition on matter and how it is distributed within the universe
	HS-ESS1-2, HS-ESS1-3	Describe the theories of evolution and fate of the universe.
		Describe the study of the cosmos
		Discuss the theory of the origin of the universe
2: The Universe 2.13 Discussion 2 2.14 Podcast		Examine the evidence that supports the big bang theory
2.14 Foucast		Examine the composition on matter and how it is distributed within the universe
	HS-ESS1-2, HS-ESS1-3	Describe the theories of evolution and fate of the universe.
		Describe the study of the cosmos
		Discuss the theory of the origin of the universe
2: The Universe (cont.) 2.13 Discussion 2 2.14 Podcast		Examine the evidence that supports the big bang theory
2.141000031		Examine the composition on matter and how it is distributed within the universe
	HS-ESS1-2, HS-ESS1-3	Describe the theories of evolution and fate of the universe.
		Desecribe the composition and characteristics of stars.
3: Stars 3.00 Unit Summary 3.00 What Will You Learn in This		Learn how asrtronomers identify and describe constellations such as Ursa Major, Ursa Minor, Orion, and Cassiopeia.
Unit?		Analyze and characterize stars by their physical and chemical properties
		Explain the use of diagrams and models in obtaining physical data on stars.

	Examine the evolution of stars.
2: Store	Desecribe the composition and characteristics of stars. Learn how asrtronomers identify and describe constellations such as Ursa Major, Ursa Minor, Orion, and Cassiopeia.
3: Stars 3.01 What are Stars? 3.02 Constellations	Analyze and characterize stars by their physical and chemical properties Explain the use of diagrams and models in obtaining physical data on stars. Examine the evolution of stars.
3: Stars 3.03 Characterizing Stars 3.04 Temperature and Color	Desecribe the composition and characteristics of stars. Learn how asrtronomers identify and describe constellations such as Ursa Major, Ursa Minor, Orion, and Cassiopeia. Analyze and characterize stars by their physical and chemical properties
	Explain the use of diagrams and models in obtaining physical data on stars. Examine the evolution of stars.

3: Stars		Desecribe the composition and characteristics of stars.
		Learn how asrtronomers identify and describe constellations such as Ursa Major, Ursa Minor, Orion, and Cassiopeia.
3.05 Life Cycle of Stars 3.06 Death of Stars		Analyze and characterize stars by their physical and chemical properties
		Explain the use of diagrams and models in obtaining physical data on stars.
		Examine the evolution of stars.
		Desecribe the composition and
		characteristics of stars.
3: Stars		Learn how asrtronomers identify and describe constellations such as Ursa Major, Ursa Minor, Orion, and Cassiopeia.
3.07 Questions to Think About		Analyze and characterize stars by their physical and chemical properties
		Explain the use of diagrams and models in obtaining physical data on stars.
		Examine the evolution of stars.
		Desecribe the composition and characteristics of stars.
3: Stars 3.08 Text Questions		Learn how asrtronomers identify and describe constellations such as Ursa Major, Ursa Minor, Orion, and Cassiopeia.
3.08 Graded Assignment: Text Questions		Analyze and characterize stars by their physical and chemical properties
		Explain the use of diagrams and models in obtaining physical data on stars.
	HS-ESS1-3, HS-ESS1-2	Examine the evolution of stars.
3: Stars		Desecribe the composition and
3.09 Lab Questions 3.09 Graded Assignment: Lab		characteristics of stars.
Questions	HS-ESS1-3, HS-ESS1-2	Learn how asrtronomers identify and

		describe constellations such as Ursa Major, Ursa Minor, Orion, and Cassiopeia.
		Analyze and characterize stars by their physical and chemical properties
		Explain the use of diagrams and models in obtaining physical data on stars.
		Examine the evolution of stars.
		Desecribe the composition and characteristics of stars.
3: Stars 3.10 Quiz Review		Learn how asrtronomers identify and describe constellations such as Ursa Major, Ursa Minor, Orion, and Cassiopeia.
3.11 Quiz Game		Analyze and characterize stars by their physical and chemical properties
	HS-ESS1-3, HS-ESS1-2, HS-	Explain the use of diagrams and models in obtaining physical data on stars.
	PS1-5, HS-PS1-8	Examine the evolution of stars.
		Desecribe the composition and characteristics of stars.
3: Stars		Learn how asrtronomers identify and describe constellations such as Ursa Major, Ursa Minor, Orion, and Cassiopeia.
3.12 Quiz: Stars 3.13 Discussion 1		Analyze and characterize stars by their physical and chemical properties
		Explain the use of diagrams and models in obtaining physical data on stars.
	HS-ESS1-3, HS-ESS1-2	Examine the evolution of stars.
		Desecribe the composition and characteristics of stars.
3: Stars 3.14 Discussion 2 3.15 Podcast		Learn how asrtronomers identify and describe constellations such as Ursa Major, Ursa Minor, Orion, and Cassiopeia.
	HS-ESS1-3, HS-ESS1-2	

		Analyze and characterize stars by their physical and chemical properties
		Explain the use of diagrams and models in obtaining physical data on stars.
		Examine the evolution of stars.
		Desecribe the composition and characteristics of stars.
3: Stars (cont.) 3.14 Discussion 2		Learn how asrtronomers identify and describe constellations such as Ursa Major, Ursa Minor, Orion, and Cassiopeia.
3.15 Podcast		Analyze and characterize stars by their physical and chemical properties
		Explain the use of diagrams and models in obtaining physical data on stars.
	HS-ESS1-3, HS-ESS1-2	Examine the evolution of stars.
		Differentiate and describe the types of galacies within the universe
		Characterize the Milky Way
4: Galaxies 4.00 Unit Summary 4.00 What Will You Learn in This Unit?		Identify how galaxies are organized and distributed within the universe.
		Describe the evolution of galaxies.
		Examine the forces that shape galaxies of stars.
		Differentiate and describe the types of
		galacies within the universe
		Characterize the Milky Way
4: Galaxies 4.01 Galaxies 4.02 Classification of Galaxies		Identify how galaxies are organized and distributed within the universe.
		Describe the evolution of galaxies.
		Examine the forces that shape galaxies of stars.
		Differentiate and describe the types of
4: Galaxies		galacies within the universe
4.03 Milky Way 4.04 Dwarf Galaxies		Characterize the Milky Way

	[I de la Charles de la companya de la
		Identify how galaxies are organized and distributed within the universe.
		Describe the evolution of galaxies.
		Examine the forces that shape galaxies of stars.
		Differentiate and describe the types of galacies within the universe
		Characterize the Milky Way
4: Galaxies 4.05 Evolution of Galaxies 4.06 Galaxy Distribution 4.07 Galaxies in Motion		Identify how galaxies are organized and distributed within the universe.
		Describe the evolution of galaxies.
		Examine the forces that shape galaxies of stars.
		Differentiate and describe the types of
		galacies within the universe
		Characterize the Milky Way
4: Galaxies 4.08 Questions to Think About		Identify how galaxies are organized and distributed within the universe.
		Describe the evolution of galaxies.
		Examine the forces that shape galaxies of stars.
		Differentiate and describe the types of galacies within the universe
		Characterize the Milky Way
4: Galaxies 4.09 Text Questions 4.09 Graded Assignment: Text Questions		Identify how galaxies are organized and distributed within the universe.
		Describe the evolution of galaxies.
	HS-ESS1-2, HS-ETS1-5	Examine the forces that shape galaxies of stars.
		Differentiate and describe the types of galacies within the universe
4: Galaxies 4.10 Lab Questions		Characterize the Milky Way
4.10 Cab Questions 4.10 Graded Assignment: Lab Questions		Identify how galaxies are organized and distributed within the universe.
	HS-ESS1-2	Describe the evolution of galaxies.
	1	4

		Examine the forces that shape galaxies of stars.
		Differentiate and describe the types of galacies within the universe
		Characterize the Milky Way
4: Galaxies 4.11 Quiz Review 4.12 Quiz Game		Identify how galaxies are organized and distributed within the universe.
		Describe the evolution of galaxies.
	HS-ESS1-2	Examine the forces that shape galaxies of stars.
		Differentiate and describe the types of galacies within the universe
		Characterize the Milky Way
4: Galaxies 4.13 Quiz: Galaxies 4.14 Discussion 1		Identify how galaxies are organized and distributed within the universe.
		Describe the evolution of galaxies.
	HS-ESS1-2	Examine the forces that shape galaxies of stars.
		Differentiate and describe the types of galacies within the universe
		Characterize the Milky Way
4: Galaxies 4.15 Discussion 2 4.16 Podcast		Identify how galaxies are organized and distributed within the universe.
		Describe the evolution of galaxies.
	HS-ESS1-2	Examine the forces that shape galaxies of stars.
		Differentiate and describe the types of galacies within the universe
		Characterize the Milky Way
4: Galaxies (cont.) 4.15 Discussion 2 4.16 Podcast		Identify how galaxies are organized and distributed within the universe.
		Describe the evolution of galaxies.
	HS-ESS1-2	Examine the forces that shape galaxies of stars.
Unit: Midterm Exam Midterm Exam Midterm Exam Discussion		

Unit: Midterm Exam Midterm Exam Discussion (cont.)	
	Describe how planetary matter is distributed within the solar system.
	Explain the formation of the solar system
5: Inner Planets 5.00 Unit Summary 5.00 What Will You Learn in This	Differentiate and describethe inner planets within our solar system
Unit?	Identify the shared characteristics among all inner planets in the solar system.
	Explain the features of Earth taht are essential to the development of life.
	Describe how planetary matter is distributed within the solar system.
	Explain the formation of the solar system
5: Inner Planets 5.01 Inner Planets Introduction 5.02 Mercury	Differentiate and describe the inner planets within our solar system
	Identify the shared characteristics among all inner planets in the solar system.
	Explain the features of Earth taht are essential to the development of life.
	Describe how planetary matter is distributed within the solar system.
	Explain the formation of the solar system
5: Inner Planets 5.03 Venus 5.04 Earth	Differentiate and describethe inner planets within our solar system
5.05 Mars	Identify the shared characteristics among all inner planets in the solar system.
	Explain the features of Earth taht are essential to the development of life.

	1	Describe how play stars and the size
		Describe how planetary matter is distributed within the solar system.
		Explain the formation of the solar system
		Differentiate and describethe inner
5: Inner Planets 5.06 Questions to Think About		planets within our solar system
		Identify the shared characteristics among
		all inner planets in the solar system.
		Explain the features of Earth taht are
		essential to the development of life.
		Describe how planetary matter is distributed within the solar system.
		Explain the formation of the solar system
5: Inner Planets		Differentiate and describethe inner
5.07 Text Questions 5.07 Graded Assignment: Text		planets within our solar system
Questions		Identify the shared characteristics among
		all inner planets in the solar system.
		Explain the features of Earth taht are
	HS-ESS1-6	essential to the development of life.
		Describe how planetary matter is
		distributed within the solar system.
		Explain the formation of the solar system
5: Inner Planets		Differentiate and describethe inner
5.08 Lab Questions 5.08 Graded Assignment: Lab Questions		planets within our solar system
QUESHOIDS		Identify the shared characteristics among
		all inner planets in the solar system.
		Explain the features of Earth taht are
	HS-ESS1-6	essential to the development of life.
		Describe how planetary matter is distributed within the solar system.
		Explain the formation of the solar system
5: Inner Planets 5.09 Quiz Game		Differentiate and describethe inner
		planets within our solar system
		Identify the shared characteristics among
	HS-ESS1-6	all inner planets in the solar system.

		Explain the features of Earth taht are essential to the development of life.
		Describe how planetary matter is distributed within the solar system.
		Explain the formation of the solar system
5: Inner Planets 5.10 Quiz: Inner Planets 5.11 Discussion 1		Differentiate and describethe inner planets within our solar system
		Identify the shared characteristics among all inner planets in the solar system.
	HS-ESS1-6	Explain the features of Earth taht are essential to the development of life.
		Describe how planetary matter is distributed within the solar system.
		Explain the formation of the solar system
5: Inner Planets 5.12 Discussion 2 5.13 Podcast		Differentiate and describethe inner planets within our solar system
		Identify the shared characteristics among all inner planets in the solar system.
	HS-ESS1-6	Explain the features of Earth taht are essential to the development of life.
		Describe how planetary matter is distributed within the solar system.
		Explain the formation of the solar system
5: Inner Planets (cont.) 5.12 Discussion 2 5.13 Podcast		Differentiate and describethe inner planets within our solar system
		Identify the shared characteristics among all inner planets in the solar system.
	HS-ESS1-6	Explain the features of Earth taht are essential to the development of life.

6: Outer Planets 6.00 Unit Summary 6.00 What Will You Learn in This Unit?	Differentiate and describe the unique characteristics of the outer planets in the Solar System Identify the shared features and characteristics among the outer planets in the Solar System Describe the arrangements and distances between the oter planets. Explain why Pluto is no longer classified asa
	true planet of the Solar System Compare and contrast the outer planets with Earth
6: Outer Planets 6.01 Outer Planets Introduction 6.02 Jupiter	Differentiate and describe the unique characteristics of the outer planets in the Solar System Identify the shared features and characteristics among the outer planets in the Solar System Describe the arrangements and distances between the oter planets.
	Explain why Pluto is no longer classified asa true planet of the Solar System Compare and contrast the outer planets with Earth
6: Outer Planets 6.03 Atmosphere 6.04 Saturn	Differentiate and describe the unique characteristics of the outer planets in the Solar System Identify the shared features and characteristics among the outer planets in the Solar System Describe the arrangements and distances
	between the oter planets. Explain why Pluto is no longer classified asa true planet of the Solar System Compare and contrast the outer planets with Earth

6: Outer Planets	Differentiate and describe the unique characteristics of the outer planets in the Solar System
	Identify the shared features and characteristics among the outer planets in the Solar System
6.05 Atmosphere 6.06 Uranus	Describe the arrangements and distances between the oter planets.
	Explain why Pluto is no longer classified asa true planet of the Solar System
	Compare and contrast the outer planets with Earth
	Differentiate and describe the unique characteristics of the outer planets in the Solar System
6: Outer Planets	Identify the shared features and characteristics among the outer planets in the Solar System
6.07 Neptune 6.08 Atmosphere 6.09 The Dwarf Planets	Describe the arrangements and distances between the oter planets.
	Explain why Pluto is no longer classified asa true planet of the Solar System
	Compare and contrast the outer planets with Earth
	Differentiate and describe the unique characteristics of the outer planets in the Solar System
6: Outer Planets 6.10 Questions to Think About	Identify the shared features and characteristics among the outer planets in the Solar System
	Describe the arrangements and distances between the oter planets.
	Explain why Pluto is no longer classified asa true planet of the Solar System
	Compare and contrast the outer planets with Earth
6: Outer Planets 6.11 Text Questions 6.11 Graded Assignment: Text	Differentiate and describe the unique characteristics of the outer planets in the Solar System
Questions	Identify the shared features and

	characteristics among the outer planets in the Solar System
	Describe the arrangements and distances between the oter planets.
	Explain why Pluto is no longer classified asa true planet of the Solar System
	Compare and contrast the outer planets with Earth
	Differentiate and describe the unique characteristics of the outer planets in the Solar System
6: Outer Planets 6.12 Lab Questions	Identify the shared features and characteristics among the outer planets in the Solar System
6.12 Graded Assignment: Lab Questions	Describe the arrangements and distances between the oter planets.
	Explain why Pluto is no longer classified asa true planet of the Solar System
	Compare and contrast the outer planets with Earth
	Differentiate and describe the unique characteristics of the outer planets in the Solar System
6: Outer Planets 6.13 Quiz Game	Identify the shared features and characteristics among the outer planets in the Solar System
	Describe the arrangements and distances between the oter planets.
	Explain why Pluto is no longer classified asa true planet of the Solar System
	Compare and contrast the outer planets with Earth

	Differentiate and describe the unique
6: Outer Planets	characteristics of the outer planets in the Solar System
	Identify the shared features and characteristics among the outer planets in the Solar System
6.14 Quiz: Outer Planets 6.15 Discussion 1	Describe the arrangements and distances between the oter planets.
	Explain why Pluto is no longer classified asa true planet of the Solar System
	Compare and contrast the outer planets with Earth
	Differentiate and describe the unique characteristics of the outer planets in the Solar System
6: Outer Planets	Identify the shared features and characteristics among the outer planets in the Solar System
6.16 Discussion 2 6.17 Podcast	Describe the arrangements and distances between the oter planets.
	Explain why Pluto is no longer classified asa true planet of the Solar System
	Compare and contrast the outer planets with Earth
	Differentiate and describe the unique characteristics of the outer planets in the Solar System
6: Outer Planets (cont.) 6.16 Discussion 2 6.17 Podcast	Identify the shared features and characteristics among the outer planets in the Solar System
	Describe the arrangements and distances between the oter planets.
	Explain why Pluto is no longer classified asa true planet of the Solar System
	Compare and contrast the outer planets with Earth

	Identify the five regions of the Sum
	Discuss the structure and composition of the Sun
7: The Sun 7.00 Unit Summary 7.00 What Will You Learn in This	Learn about nuclear fusion in the Sun, including the proton-proton chain reaction.
Unit?	Examine solar activity, such as sunspots and solar flares
	Define and discusses solar eclipses.
	Identify the five regions of the Sum
	Discuss the structure and composition of the Sun
7: The Sun	Learn about nuclear fusion in the Sun, including
7.01 The Sun Introduction	the proton-proton chain reaction.
7.02 The Structure of the Sun	Examine solar activity, such as sunspots and solar flares
	Define and discusses solar eclipses.
	Identify the five regions of the Sum
	Discuss the structure and composition of the Sun
7: The Sun 7.03 The Shining Sun	Learn about nuclear fusion in the Sun, including the proton-proton chain reaction.
7.04 The Death of the Sun?	Examine solar activity, such as sunspots and solar flares
	Define and discusses solar eclipses.
	Identify the five regions of the Sum
7: The Sun 7.05 Solar Flares 7.06 Solar Eclipses	Discuss the structure and composition of the Sun
	Learn about nuclear fusion in the Sun, including the proton-proton chain reaction.
	Examine solar activity, such as sunspots and solar flares
	Define and discusses solar eclipses.

		Identify the five regions of the Sum
		Discuss the structure and composition of the Sun
7: The Sun 7.07 Questions to Think About		Learn about nuclear fusion in the Sun, including the proton-proton chain reaction.
		Examine solar activity, such as sunspots and solar flares
		Define and discusses solar eclipses.
		Identify the five regions of the Sum
		Discuss the structure and composition of the Sun
7: The Sun		Learn about nuclear fusion in the Sun, including
7.08 Text Questions 7.08 Graded Assignment: Text		the proton-proton chain reaction.
Questions		Examine solar activity, such as sunspots and solar
		flares
	HS-ESS1-3, HS-PS1-8	Define and discusses solar eclipses.
		Identify the five regions of the Sum
		Discuss the structure and composition of the Sun
7: The Sun		Learn about nuclear fusion in the Sun, including
7.09 Lab Questions		the proton-proton chain reaction.
7.09 Graded Assignment: Lab Questions		
Questions		Examine solar activity, such as sunspots and solar
		flares
	HS-ESS1-3	Define and discusses solar eclipses.
		Identify the five regions of the Sum
		Discuss the structure and composition of the Sun
7: The Sun		Learn about nuclear fusion in the Sun, including
7.10 Quiz Game		the proton-proton chain reaction.
		Evening color activity, such as successes and color
		Examine solar activity, such as sunspots and solar flares
	HS-ESS1-3	Define and discusses solar eclipses.
		Identify the five regions of the Sum
7: The Sun 7.11 Quiz: The Sun		Discuss the structure and composition of the Sun
7.12 Discussion 1		Learn about nuclear fusion in the Sun, including
	HS-ESS1-3	the proton-proton chain reaction.

		Examine solar activity, such as sunspots and solar flares
		Define and discusses solar eclipses.
		Identify the five regions of the Sum
		Discuss the structure and composition of the Sun
7: The Sun 7.13 Discussion 2		Learn about nuclear fusion in the Sun, including the proton-proton chain reaction.
7.14 Podcast		Examine solar activity, such as sunspots and solar flares
	HS-ESS1-3	Define and discusses solar eclipses.
		Identify the five regions of the Sum
		Discuss the structure and composition of the Sun
7: The Sun (cont.) 7.13 Discussion 2 7.14 Podcast		Learn about nuclear fusion in the Sun, including the proton-proton chain reaction.
		Examine solar activity, such as sunspots and solar flares
	HS-ESS1-3	Define and discusses solar eclipses.
		Define comet, asteroid, meteoroid, meteor, and meteorite.
8: Comets, Asteroids, and		Examine the origin of comets and how their trails form.
Meteors 8.00 Unit Summary 8.00 What Will You Learn in This Unit?		Discuss the location of asteroids in the Solar System.
		Learn about the different types of meteorites
		Investigate how comets, asteroids, and meteorites influence life on Earth.
		Define comet, asteroid, meteoroid, meteor, and meteorite.
8: Comets, Asteroids, and Meteors 8.01 Comets, Asteroids, and Meteors Introduction 8.02 Comets		Examine the origin of comets and how their trails form.
		Discuss the location of asteroids in the Solar System.

	Investigate how comets, asteroids, and meteorites influence life on Earth.
8: Comets, Asteroids, and	Define comet, asteroid, meteoroid, meteor, and meteorite. Examine the origin of comets and how their trails form.
Meteors 8.03 Where Do Comets Come From? 8.04 Asteroids	Discuss the location of asteroids in the Solar System.
	Learn about the different types of meteorites Investigate how comets, asteroids, and meteorites influence life on Earth.
8: Comets, Asteroids, and Meteors 8.05 Sizes and Shapes 8.06 Meteors	Define comet, asteroid, meteoroid, meteor, and meteorite. Examine the origin of comets and how their trails form. Discuss the location of asteroids in the Solar System. Learn about the different types of meteorites Investigate how comets, asteroids, and meteorites influence life on Earth.
8: Comets, Asteroids, and Meteors 8.07 Questions to Think About	 Define comet, asteroid, meteoroid, meteor, and meteorite. Examine the origin of comets and how their trails form. Discuss the location of asteroids in the Solar System. Learn about the different types of meteorites Investigate how comets, asteroids, and meteorites influence life on Earth.

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8: Comets, Asteroids, and Meteors 8.08 Text Questions 8.08 Graded Assignment: Text Questions		Define comet, asteroid, meteoroid, meteor, and meteorite.
		Examine the origin of comets and how their trails form.
		Discuss the location of asteroids in the Solar System.
		Learn about the different types of meteorites
	HS-ESS1-6	Investigate how comets, asteroids, and meteorites influence life on Earth.
8: Comets, Asteroids, and Meteors 8.09 Lab Questions 8.09 Graded Assignment: Lab Questions		Define comet, asteroid, meteoroid, meteor, and meteorite.
		Examine the origin of comets and how their trails form.
		Discuss the location of asteroids in the Solar System.
		Learn about the different types of meteorites
	HS-ESS1-6	Investigate how comets, asteroids, and meteorites influence life on Earth.
8: Comets, Asteroids, and Meteors 8.10 Quiz Game		Define comet, asteroid, meteoroid, meteor, and meteorite.
		Examine the origin of comets and how their trails form.
		Discuss the location of asteroids in the Solar System.
		Learn about the different types of meteorites
	HS-ESS1-6	Investigate how comets, asteroids, and meteorites influence life on Earth.
8: Comets, Asteroids, and Meteors 8.11 Quiz: Comets, Asteroids, and Meteors 8.12 Discussion 1		Define comet, asteroid, meteoroid, meteor, and meteorite.
		Examine the origin of comets and how their trails form.
		Discuss the location of asteroids in the Solar System.
		Learn about the different types of meteorites
	HS-ESS1-6	Investigate how comets, asteroids, and meteorites influence life on Earth.

8: Comets, Asteroids, and Meteors 8.13 Discussion 2 8.14 Podcast		Define comet, asteroid, meteoroid, meteor, and meteorite.
		Examine the origin of comets and how their trails form.
		Discuss the location of asteroids in the Solar System.
		Learn about the different types of meteorites
	HS-ESS1-6	Investigate how comets, asteroids, and meteorites influence life on Earth.
8: Comets, Asteroids, and Meteors (cont.) 8.13 Discussion 2 8.14 Podcast		Define comet, asteroid, meteoroid, meteor, and meteorite.
		Examine the origin of comets and how their trails form.
		Discuss the location of asteroids in the Solar System.
		Learn about the different types of meteorites
	HS-ESS1-6	Investigate how comets, asteroids, and meteorites influence life on Earth.
Unit: Final Exam		
Final Exam Final Exam Discussion		
Unit: Final Exam		
Final Exam Discussion (cont.)		