

## Science 6, 3<sup>rd</sup> ed. Lesson Plan Overview

	<b>Lesson</b>	<b>ST Pages</b>	<b>AM Pages</b>	<b>Assessment</b>	<b>Content</b>	<b>Bible Integration</b>	
<b>Chapter 1: Earthquakes and Volcanoes</b>	*1	1–3	1		<b>Unit and Chapter Opener</b>	Creation under the curse of sin God's omniscience Interrelationship of the parts of creation God's use of creation for His glory Man's finite knowledge	
	*2	4–7	2		<b>Earthquakes</b>	The Flood as God's judgment on sin God's omnipotence God's use of creation for His purposes	
	*3	8–11	2–4	Quiz 1-A	<b>Earthquake Waves</b>	Christ as solid foundation for life God's love shown through Christ's death Man's demonstration of God's love	
	4		5–6		<b>Activity: A Science Experiment</b>		
	*5	12–13	7–8	Rubric	<b>Activity: Construction Site</b>	Christians as dependable workers Christians as faithful workers	
	6						
	*7	14–17	9–10		<b>Volcanoes</b>		
	8	18–19	11–13	Rubric	<b>Activity: Create an Eruption</b>		
	9						
	*10	20–22	14	Quiz 1-B	<b>Weather Effects</b>	God as Master of creation God's use of forces for Earth's benefit	
		11–12	23	15–16	Rubric	<b>Explorations: I.N.V.E.N.T.</b>	
		13		17–18		<b>PQ3R</b>	
		14	24	19–20		<b>Chapter Review</b>	

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<b>Chapter 2: Weathering and Erosion</b>	15	25	21	Chapter 1 Test	<b>Chapter Opener</b>	
	*16	26–29			<b>Rock Cycle and Mechanical Weathering</b>	
	*17	30–33	22	Quiz 2-A	<b>Chemical Weathering and Caves</b>	Christians as faithful witnesses God's perfect design God's use of forces for Earth's benefit
	18		23–24		<b>Measurement</b>	Christian behavior as showing God's love to others Christians as faithful workers
	*19	34–36	25–26	Quiz 2-B	<b>Soil</b>	
	20	37	27–28	Rubric	<b>Explorations: Soil Detective</b>	
	21	38–39	29–30	Rubric	<b>Activity: Retaining the Right Amount</b>	
	22					
	*23	40–43			<b>Erosion</b>	God as Master of creation God's use of forces for Earth's benefit
	*24	44–45	31–32	Rubric	<b>Activity: Stream Erosion</b>	
	*25	46–49	33–34	Quiz 2-C	<b>Wave, Wind, and Ice Erosion</b>	Man as steward of God's creation Man's use of God's resources
	26	50	35–36		<b>Chapter Review</b>	

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<b>Chapter 3: Natural Resources</b>	27	51	37	Chapter 2 Test	<b>Chapter Opener</b>	God's use of forces for Earth's benefit	
	*28	52–55	38–40		<b>Nonrenewable Energy Resources</b>	God's provision for man Man's uses of God's resources The Flood's effect on the earth	
	*29	56–57	41–42	Rubric	<b>Activity: Clean Up the Spill</b>	Man's responsibility for his actions	
	*30	58–61	43–44	Quiz 3-A	<b>Renewable Energy</b>		
	*31	62–65			<b>Minerals and Soil</b>	Giving God the best God's plan for worship God's refining in Christians' lives Man's use of God's resources	
	32	66–67	45–46	Rubric	<b>Activity: Erosion Prevention</b>		
	*33	68–73	47–48	Quiz 3-B	<b>Water Resources; Preserving Our Resources</b>	God's design for Earth's resources God's provision for man Man as a steward of God's creation	
	34						
	35		49–50			<b>Explorations: Water in Israel</b>	God's gift of eternal life Salvation as the living water
	36	74	51–52			<b>Chapter Review</b>	

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<b>Chapter 4: Cells and Classification</b>				Chapter 3 Test		
	37	75–77	53		<b>Unit and Chapter Opener</b>	
	*38	78–82			<b>Cells and Organisms</b>	Creation under the curse of sin Death and decay as a result of sin God's perfect design God's perfect creation Man's finite knowledge
	*39		54		<b>Using a Microscope</b>	
	*40	83–85	55–56	Quiz 4-A	<b>Cells</b>	
	*41	86		Rubric	<b>Activity: Cell Model</b>	
	42					
	43	87	57	Rubric	<b>Explorations: An Organized Cell</b>	
	44					
	*45	88–89			<b>Reproduction of Cells</b>	God's design for man's body Purity of a Christian's heart
	46	90	58	Rubric	<b>Activity: Classifying</b>	
	*47	91–95	59–61	Quiz 4-B	<b>Living Kingdoms</b>	Effects of a little sin God's perfect design God's plan of redemption God's provision for His creation God's provision for man's sin Man as God's special creation Man's God-given dominion Man's fall Christ as sacrifice
*48	96–97	62		<b>Naming Organisms</b>	God's omniscience God's orderly design God's variety in creation Man's finite knowledge	

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	49	98	63–64		Chapter Review	
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<b>Chapter 5: Animal Classification</b>				Chapter 4 Test		
	50	99	65		<b>Chapter Opener</b>	God's care for His creation God's omniscience Man's finite knowledge
	*51	100–103	66		<b>Sponges, Stinging Animals, and Mollusks</b>	God's orderly design God's perfect design God's provision for His creation
	52	104	67	Rubric	<b>Explorations: Snail Terrarium</b>	God's use of creation for His purposes
	*53	105–7	68–70		<b>Echinoderms; Flatworms; Roundworms; Segmented Worms</b>	Christians as faithful workers
	*54	108–11	71–72	Quiz 5-A	<b>Arthropods</b>	
	55	112–13	73–74	Rubric	<b>Activity: Mealworm Movement</b>	
	*56	114–17			<b>Fish and Amphibians</b>	God's perfect design God's use of creation for His purposes
	*57	118–21	75	Quiz 5-B	<b>Reptiles and Birds</b>	Man's imitation of creation God's perfect design God's provision for His creation God's use of creation for His purposes
	*58	122–27	76	Quiz 5-C	<b>Mammals and Humans</b>	Man created in God's image Man as God's special creation
	59					
	60	128–29	77–78	Rubric	<b>Activity: Blubber Mitts</b>	
	61	130–31	79	Rubric	<b>Explorations: Animal Robotics</b>	Man's imitation of creation Man's God-given curiosity
	62					
63	132	80–82		<b>Chapter Review</b>		

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	<b>Lesson</b>	<b>ST Pages</b>	<b>AM Pages</b>	<b>Assessment</b>	<b>Content</b>	<b>Bible Integration</b>
<b>Chapter 6: Plant Classification</b>	64			Chapter 5 Test		
		133	83		<b>Chapter Opener</b>	God's orderly design Man's finite knowledge
	*65	134–37	84		<b>Nonvascular Plants; Seedless Vascular Plants</b>	God's love of beauty God's variety in creation
	*66	138–41	85–86	Quiz 6-A	<b>Gymnosperms</b>	Giving God the best
	*67	142–45	87–88		<b>Angiosperms</b>	Man's God-given dominion
	*68	146	89–90	Rubric	<b>Activity: Classification Check</b>	
	*69	147		Rubric	<b>Explorations: Plant Products</b>	
	*70	148–51	91–92	Quiz 6-B	<b>Plant Parts</b>	The Bible as final authority Christians rooted and grounded in Christ God's perfect design God's provision for His creation
	71	152–53	93–94	Rubric	<b>Activity: How Big is My Tree?</b>	
72	154	95–96		<b>Chapter Review</b>		

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<b>Chapter 7: Atoms and Molecules</b>				Chapter 6 Test		
	73	155–57	97		<b>Unit and Chapter Opener</b>	God's creation of invisible forces God's holding all creation together God's omniscience Man's finite knowledge
	*74	158–61	98		<b>Atoms</b>	God as Master of creation Man's finite knowledge
	*75	162–65	99–100	Quiz 7-A	<b>Elements</b>	God's orderly design
	76	166	101–2	Rubric	<b>Explorations: Wanted: U or Your Element</b>	
	*77	167–69			<b>Compounds; Chemical Formulas; Chemical Reactions</b>	
	*78	170–71	103–4		<b>Atomic Bonding</b>	Christians bonded in Christ
	79	172–73	105–6	Rubric	<b>Activity: Hot or Cold</b>	Evidences of salvation
	*80	174–77	107–8	Quiz 7-B	<b>Acids and Bases</b>	God's creation for man's enjoyment
	*81	178–79	109–10	Rubric	<b>Activity: pH Indicator</b>	
	82	180–81	111–12	Rubric	<b>Activity: Which Antacid is Best?</b>	
	83	182	113–14		<b>Chapter Review</b>	

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<b>Chapter 8: Electricity and Magnetism</b>	84			Chapter 7 Test		
		183	115		<b>Chapter Opener</b>	Man's finite knowledge Man's God-given curiosity
	*85	184–87	116		<b>Static Electricity; Current Electricity</b>	Man as steward of God's creation Man's God-given dominion
	86	188–89	117–18	Rubric	<b>Activity: An “Unbreakable” Circuit</b>	
	*87	190–93	119–22	Quiz 8-A	<b>Circuits; Measuring Electricity; Batteries</b>	God's perfect design God's provision for His creation
	*88	194–96	123–24		<b>Magnetism</b>	
	89	197		Rubric	<b>Explorations: Famous Inventors</b>	
	*90	198–99	125–26	Rubric	<b>Activity: Build an Electromagnet</b>	
	*91	200–203	127–28	Quiz 8-B	<b>Electronics</b>	Discerning what is true Knowing God as greatest wisdom
	92	204	129–30		<b>Chapter Review</b>	

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<b>Chapter 9: Motion and Machines</b>	93			Chapter 8 Test		
		205	131		<b>Chapter Opener</b>	God as only Creator
	*94	206–9	132		<b>Motion</b>	Christ as a Christian's reference point Bible as final authority
	*95	210–13	133–34	Quiz 9-A	<b>Laws of Motion</b>	Spirit-filled Christians
	96	214–15	135–36	Rubric	<b>Activity: Mini Cars in Motion</b>	God's orderly design
	97	216	137–38	Rubric	<b>Explorations: Roller Coaster</b>	
	*98	217–19	139–40		<b>Work; Simple Machines: Levers</b>	God's design of man's body
	*99	220–23	141–44	Quiz 9-B	<b>Pulleys; Wheels and axles; Inclined planes; Wedges; Screws; Compound Machines</b>	Results of unconfessed sin
	*100	224–25	145–46	Rubric	<b>Activity: How Much Force?</b>	
101	226	147–50		<b>Chapter Review</b>		

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<b>Chapter 10: Stars</b>	102	227–29	151	Chapter 9 Test	<b>Unit and Chapter Opener</b>	God's use of creation for His purpose God overruling His natural laws
	*103	230–33	152		<b>Our Closest Star; Characteristics of Stars</b>	God's omniscience God's use of creation for His glory God's use of creation for His purposes
	*104	234–37	153–54	Quiz 10-A	<b>Kinds of Stars</b>	God's variety in creation Man's finite knowledge
	*105	238–41	155		<b>Observing the Heavens</b>	Faith in the Word of God for guidance God's Word as the only true source of guidance God's omnipotence God's use of creation for His glory
	106	242		Rubric	<b>Activity: Pop Can Constellations</b>	
	107	243		Rubric	<b>Explorations: A Different Look</b>	
	*108	244–49	156–58	Quiz 10-B	<b>Star Groups</b>	God's omnipotence God as Master of creation
	109		159–60	Rubric	<b>Explorations: Stargazing</b>	
	*110	250–51	161–62	Rubric	<b>Activity: Crater Creations</b>	

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<b>Chapter 11: Solar System</b>				Chapter 10 Test		
	112	253	165		<b>Chapter Opener</b>	God's orderly design God's perfect design God's provision for His creation
	*113	254–57	166		<b>The Sun and the Seasons</b>	God's perfect design
	*114	258–61	167–68	Quiz 11-A	<b>The Planets</b>	
	*115	262–65			<b>Earth; the Moon; Project Apollo; Eclipses</b>	Christians as a reflection of God God's provision for His creation God's loving care
	*116	266–67	169–70	Rubric	<b>Activity: Spare Parts Solar Oven</b>	God's orderly design
	*117	268–71	171–72		<b>The Outer Planets</b>	God's omnipotence
	118		173–74	Rubric	<b>Explorations: Solar Walk</b>	God's love for man God's salvation through Christ God's loving care
	*119	272–75	175–76	Quiz 11-B	<b>Space Exploration</b>	
	120		177–78	Rubric	<b>Explorations: Travel Brochure</b>	
	121	276–77	179–80	Rubric	<b>Activity: Rocket Race</b>	
	122	278	181–82		<b>Chapter Review</b>	

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<b>Chapter 12: Plant and Animal Reproduction</b>	123	279–81	183	Chapter 11 Test	<b>Unit and Chapter Opener</b>	The Bible as final authority God as Master of creation Man's finite knowledge
	*124	282–85	184		<b>Plant Reproduction</b>	God's provision for His creation God's plan for salvation God's love of beauty
	*125	286–87	185–86	Rubric	<b>Activity: Flower Dissection</b>	God's perfect design
	*126	288–91	187–88	Quiz 12-A	<b>Seeds in Cones; Spores</b>	
	*127	292–95	189		<b>Animal Reproduction</b>	God's perfect design God's variety in creation
	128		190		<b>Explorations: What Value Does God Place on Life?</b>	God's value of life God's gift of eternal life
	129	296–99	191–94	Quiz 12-B Rubric	<b>Asexual Reproduction</b> <b>Activity: It's a Race</b>	
	130	300	195–96		<b>Chapter Review</b>	

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<b>Chapter 13: Heredity and Genetics</b>	131	301	197	Chapter 12 Test	<b>Chapter Opener</b>	God's plan for heredity
	*132	302–4	198–200	Rubric	<b>Heredity Activity: It's All in the Genes</b>	God's knowledge of each individual The Bible as final authority The Holy Spirit's guidance
	*133	305–6	201–4	Quiz 13-A	<b>DNA: the Double Helix</b>	
	134	307	205–6	Rubric	<b>Explorations: DNA Extraction</b>	
	*135	308–11	207		<b>Father of Genetics; Dominant and Recessive Genes</b>	Honesty
	*136	312–15	208–10		<b>Punnett Squares; Pedigrees</b>	Identified in Christ
	*137	316–17	211–12	Rubric	<b>Activity: Paper Pet Genetics</b>	
	*138	318–21	213	Quiz 13-B	<b>Genetic Disorders and Diseases; Genetic Engineering</b>	God as Master of creation God's knowledge of each individual
	139	322	214–16		<b>Chapter Review</b>	

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<b>Chapter 14: Nervous System</b>	140	323–25	217	Chapter 13 Test	<b>Unit and Chapter Opener</b>	God's perfect design God's design for man's body
	141	326–29	218		<b>The Central Nervous System</b>	God's design of man's body God's perfect design
	142	330–33	219–20	Quiz 14-A	<b>The Peripheral Nervous System</b>	God's perfect design
	143	334–35	221–22	Rubric	<b>Activity: Reaction Time</b>	
	144	336–39	223		<b>The Five Senses</b>	God's perfect design Holy Spirit's guidance Faith in the Word of God Man's finite knowledge
	145	340–41	224	Rubric	<b>Activity: Touch Tester</b>	
	146	342–45	225–28		<b>Memory and Sleep</b>	God's command to remember God's design of man's body Godly wisdom
	147	346–49	229–30	Quiz 14-B	<b>The Endocrine System; Disorders and Drugs</b>	God's design of man's body Consequences of sin Man's body as God's temple Man's responsibility to glorify God
	148				<b>Explorations: Effects of Drug Abuse</b>	Man's body as God's temple Man's sinful nature
	149	350	231–32		<b>Chapter Review</b>	

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<b>Chapter 15: Immune System</b>	150	351	233	Chapter 14 Test	<b>Chapter Opener</b>	God as Great Physician God's omnipotence
	151	352–55	234		<b>Diseases</b>	Consequences of sin God's omnipotence God's protection of His people
	152	356–59	235–36	Quiz 15-A	<b>Pathogens and Non-communicable Diseases</b>	God as Master of creation God's omniscience
	153	360–61		Rubric	<b>Activity: Of Epidemic Proportions</b>	
	154	362–65			<b>The Immune System</b>	God's plan for man's body Consequences of sin Faith in the Word of God God's perfect design
	155	366–69	237–38	Quiz 15-B	<b>Immunity; Antibodies and Antibiotics; Malfunctions of the Immune System</b>	Man's sinful nature God's power over sin God's omniscience God's omnipotence
	156	370			<b>Activity: Defend and Capture</b>	God as Master of creation
	157	371		Rubric	<b>Explorations: Extra, Extra, Read All About It</b>	
	158	372	239–40	Chapter 15 Test	<b>Chapter Review</b>	

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<b>Technology Lessons</b>	160		241–42		<b>Autonomous Underwater Vehicles</b>	Spirit-filled Christians Bible as only authority
	161		243–44		<b>Fiber Optic Sponges</b>	Christians as lights in the world Man's technology patterned after God's creation God's perfect design
	162		245–46		<b>Maglev Train</b>	The Christian's attraction to Christ The Christian's hatred of sin
	163		247–48		<b>Inflatable Spacecraft</b>	Man as steward of God's creation
	164		249–50		<b>Glowing Space Plants</b>	Attitudes as a reflection of a Christian's walk
	165		251–52		<b>Robotic Surgery</b>	Technology as a demonstration of man loving his neighbor as himself

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