

				lexas Education Agency
2021Knowledgeand Skill Statement/Student Expectation	2024 Toyt	2017Knowledgeand Skill Statement/Student Expectation	2017Tovt	Notes from TEAStaff
SCIENCE.7.1	Scientificand engineering practices The student, for at least 40% of instructional time, asks questions identifies problems and plans and safely conducts class room laboratory, and	7.1	Scientificinvestigationand reasoning The student, for at least 40% of instructional time, conducts laboratory and field investigation sollowing safety procedures and environmentally appropriate and ethical practices. The student is expected to:	
	field investigations o answerquestions explain phenomena or design solutions using appropriate tools and models The student is expected to:	7.2	Scientificinvestigationand reasoning The student uses scientific practices during laboratory and field investigations. The student is expected to:	
SCIENCE.7.1.A	askquestionsand define problems based on observations or information from text, phenomena models or investigations;	7.2.A	plan and implement comparative and descriptive investigations by making observations, asking well defined questions, and using appropriate equipment and technology	
SCIENCE.7.1.B	usescientificpracticesto plan and conductdescriptive comparative and experimental investigation and use engineering practices to design solutions to problems	7.2.B	designand implement experimental investigations by making observations asking well defined questions formulating testable hypotheses and using appropriate equipmentand technology	
		7.1.A	demonstratesafepracticesduring laboratory and field investigations as outlined in Texas Education Agency rapproveds a fety standards and start and the first	தாவருள்ளாம்(அது அரு ாடியில்) ரோ.மு.ம்.மு. நிறியில் மகார் (7), 126 6 7(7.2 we)]6034 Tc 2.013 0 Td [(ii
SCIENCE.7.1.C	useappropriatesafetyequipmentandpracticesduringlaboratory,classroomandfield investigationsasoutlined in TexasEducationAgencyrapprovedsafetystandards;			
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		7.5	Matter and energy. The student knows that interactions occur between matter and energy. The student is expected to:	
		7.5.A	recognize that radiant energy from the Sunis transformed into chemical energy through the process of photosynthesis and	The concepts of QHUJ\ WUDQVIRUPDWLRKQMonto G G to Grade5.
SCIENCE.7.7	Force,motion, and energy. The student describes the cause randeffect relationship between force and motion. The student is expected to:	7.7	Force,motion, and energy. The student knewsthat there is a relationship among force, motion, and energy. The student is expected to:	Force,motion, and energywere split between Knowledgænd Skill statements,7.7 and 7.8.
SCIENCE.7.7.A	calculateaveragespeedusingdistanceand time measurementsfrom investigations	6.8.C	calculateaveragespeedusingdistanceand time measurements;	Theconceptof averagespeedwasmovedfrom Grade6.
SCIENCE.7.7.B	distinguish between speed and velocity in linear motion in terms of distance, displacement, and direction;	8.6.B	differentiate between speed, velocity, and acceleration;	The
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		7.12.E	comparethe functions of collorganelles the functions of an organsystem; and	Conceptdeleted	
		7.12.F	recognizethe componentesf cell theory.	Theconceptof cell theory was moved to Grade 6.	
		7.13	Organismand environments. The student knows that a living organism must be able to maintain balancein stable internal conditions in respons to external and internal stimuli. The student is expected to:	-Responseto stimuli wasdeletedfrom middle school.	
		7.13.A	investigatehow organismsespondto externalstimuli found in the environmentsuchas phototropismandfight or flight; and	Responseto stimuli was deleted from middle school.	
		7.13. B	describeand relate responses norganisms that may result from internal stimuli suchas- wilting in plants and fever or vomiting in animals that allow them to maintain balance.	Responseto stimuli were deleted from middle school.	
		7.14.A	define heredity as the passage f geneticinstructions from one generation to the next-generation;	Hereditywasmovedto Grade8.	
		7.14.C	recognize that inherited traits of individuals are governed in the genetic material found in the genes within chromosome in the nucleus.	Theconceptmovedto Grade8.	
SCIENCE.7.14	Organismsandenvironments.Thestudentknows how the taxonomics ystemis used to describerelationships between organisms. The student 1 used the taxonomic organisms. The student taxonomic organisms or taxonomic organisms. The student taxonomic organisms or taxonomic organisms or taxonomic organisms. The student taxonomic organisms or taxonomic organisms or taxonomic organisms. The student taxonomic organisms or taxonomic organisms or taxonomic organisms. The student taxonomic organisms or taxonomic organisms or taxonomic organisms or taxonomic organisms. The student taxonomic organisms or taxonomic or	0 1 Tf ()Tj /TT1 1 Tf	2.786 0 Td (c:- 1 Tf ()Tj /TT1 1 Tf 2.166 0 Td (to)Tj /T1_0 sgthat)Tj /T1_0 1 Tf ()Tj /TT	1 1 Tf 1.9/MCID 23 >>BDC /TT5HT1_0 1 Tf ()Tj /TT1 1 Tf 3.361 0 (The	Тј /Т1_0 1 Т
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