

Course: Science

Grade Level: 6th

Textbook/Instructional Materials:

Month	IB Unit/Topic	Assessments and Activities	CCR and CCW	ATL Skills	Curriculum Standards and IB Criterion and Strands
September	build an ecosystem in a bottle.	Pre-Test (TBAISD). Activities: Build an ecosystem in a bottle. Formative: class discussions, group work, warm ups, exit tickets Summative: Pre-Test and Post test. Ecosystem in a bottle.	Listed in NGSS. RST.6-8.1, RST.6-8.7, RST.6-8.8, RI.8.8, WHST.6-8.1, WHST.6-8.2,		Standards: LS2.A Interdependent relationships in ecosystems. IB Criterion and Strands A.iii B.iii Ciii Dii
Month	IB Unit/Topic	Assessments and Activities	CCR and CCW		Curriculum Standards and IB Criterion and Strands
October	design a play to show relationships and food webs.	Activities: plays, posters, drawings, stories Formative. group work and discussions. warm ups, exit tickets Summative: Pre-test and Post-test. Post-Test (TBAISD).	cont. WHST.6-8., SL.8.1, SL.8.4, SL.8.8, MP.4, 6.RPA.3, 6.EE.C., 6.SP.B.5		Standards: LS2.B Cycles of matter and energy transfer in ecosystems. LS2.C Ecosystem dynamics, function, and resilience. IB Criterion and Strands C.ii D.iii
Month	IB Unit/Topic	Assessments and Activities	CCR and CCW		Curriculum Standards and IB Criterion and Strands
November	sun moon earth model.	Pre-Test (TBAISD). Activities: develop and use a model of the earth sun moon system.	Listed in NGSS. RST.6-		Standards: ESS1.A The universe and its stars. ESS1.B Earth and the solar system

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		Formative:word walls, quizzes, posters, group work, lab, notes research Summative:end of unit project, model Post-Test (TBAISD).	8.1, RST.68.7, WHST.6-8.2, SL.8.5, MP.2, MP.4, 6.RP.1, 7.RP.A.2, 7.EE.B.4		IB Criterion and Strands A.i C.iii
Month	IB Unit/Topic	Assessments and Activities	CCR and CCW		Curriculum Standards and IB Criterion and Strands
December	make a fossil based time scale of the earth. create the 3 types of rocks,Sedimentary, Metamorphic, Igneous, using star burst candy.	Pre-Test (TBAISD). Activities: construct a geological time scale of the earth using fossils. Star Burst rock formation lab. Formative: quizzes, notes, lab, group work warm up, exit ticket word walls Summative:end timeline project, 3 edible rock types.	Listed in NGSS. RST.6-8.1, RST.6-8.7, RST.6-8.9,		Standards:ESS1.C The history of planet earth. IB Criterion and Strands C.i D.ii
Month	IB Unit/Topic	Assessments and Activities	CCR and CCW		Curriculum Standards and IB Criterion and Strands
January	Earth's systems build a model of all 3 plate boundaries	Activities:volcano activity, convergent, divergent, transform plays.Ring of fire play Formative:quizzes, notes, research, word walls, group work, class group discussions Summative:model of plate boundaries	cont. WHST.6-8.2, WHST.6-8.8, SL.8.5,		Standards: ESS1.C: IB Criterion and Strands B.iii D.iii

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		showing direction of movement..		
February	make a model of the Mid-Atlantic Ridge. showing. direction and movement of the sea floor.	<p>Activities Above work continued ; Poster of ring of fire. Mid-atlantic ridge, sea floor spreading activity. types of fossils activity.</p> <p>Formative:research, notes readings, warm ups, exit tickets, quizzes, group work, class and group discussions. Post-Test (TBAISD).</p> <p>Summative:</p>	<p>cont.</p> <p>MP.2, 6.NS.C.5, 6.EE.B.6, 7.EE.B.4</p>	<p>Standards:ESS2.B: Plate tectonics and large scale system</p> <p>IB Criterion and Strands</p>
Month	IB Unit/Topic	Assessments and Activities	CCR and CCW	Curriculum Standards and IB Criterion and Strands
March	<p>intr to Earth's systems.</p> <p>Make a model or poster of earth's processes of mineral formation</p>	<p>PRE-Test (TBAISD). Make a model or poster showing the formation of minerals Activities:, videos research, warm ups exit tickets</p> <p>Formative: videos, media research, warm ups exit tickets,quizzes, notes word walls</p> <p>transferres KE, PE ,KE, PE</p>	<p>Listed in NGSS.</p> <p>RST.6-8.1, RST.6-8.3, WHST.6-8.1, WHST.6-8.7,</p>	<p>MS-ESS2-1</p> <p>IB Criterion and Strands</p> <p>A.i, B.II' C.i' D.ii</p>
Month	IB Unit/Topic	Assessments and Activities	CCR and CCW	Curriculum Standards and IB Criterion and Strands
April	<p>Make a poster or model showing water cycling through earth's systems</p>	<p>Activities: simulations and Poster.</p> <p>Formative:Videos,Media research worksheets,warm ups, quizzes, class, group discussions, presentations, plays.</p>	<p>cont.</p> <p>SL.8.5, MP.2, 6.RP.A.1, 6.RP.A.2, 7.RP.A.2,</p>	<p>MS-ESS2-4</p> <p>MS-ESS2-1</p> <p>IB Criterion and Strands</p> <p>A.ii B.iii C.i</p>

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		Summative: poster or model. Post-Test (TBAISD).	8.EE.8.1, 8.EE.A.2		
Month	IB Unit/Topic	Assessments and Activities	CCR and CCW		Curriculum Standards and IB Criterion and Strands
May	<p>Poster or model to show fossil patterns show changes of life forms.</p> <p>Evolution and fossil book, poster or model.</p> <p>Make a booklet of evidence of embryonic similarities of different species.</p> <p>Booklet of evidence of genetic variations help survival rate.</p>	<p>Pre-Test TBAISD).</p> <p>Activities:Poster or model showing how fossils relate to life form changes.</p> <p>Book, poster, or model showing modern life related to evolutionary fossils.</p> <p>List evidence of embryonic similarities of different species.</p> <p>Booklet of evidence genetic variations help survival. rate.</p> <p>Formative:warm ups, quizzes, exit tickets, plays, presentations, class group discussions</p> <p>Summative: Posters or models or booklets.</p>	<p>Listed in NGSS.</p> <p>RST.6-8.1,</p> <p>WHST.6-8.1,</p> <p>SL.8.5</p>		<p>MS-LS4-1</p> <p>MS-LS4-2</p> <p>MS-LS4-3</p> <p>MS-LS4-4</p> <p>IB Criterion and Strands</p>
Month	IB Unit/Topic	Assessments and Activities	CCR and CCW		Curriculum Standards and IB Criterion and Strands
June	<p>Booklet or poster of mathematical support of how natural selection may lead to specific traits in a</p>	<p>Activities: Booklet or poster showing mathematical support of how natural selection may lead to specific traits in a population</p> <p>Formative:warm ups Quizzes, notes,</p>	<p>cont.</p> <p>MP.2,</p> <p>6.RP.A1-2,</p> <p>7.RP.A.2,</p> <p>8.EE.A1-</p>		<p>MS-LS4-6</p> <p>IB Criterion and Strands</p>

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	population	research, Exit tickets, class and group work and discussions. Summative:booklet or poster. Post-Test (TBAISD).	2, 6.SP.B.5		