Ector County ISD
068901

STUDENT ACTIVITIES
TRAVEL

FMG
(EXHIBIT)21

EXTRA-CURRICULAR
STUDENT TRAVEL APPROVAL FORM

Student travel must be approved based on the direct benefits for the students. The trip must have approval of Superintendent or designee before any travel arrangements and reservations are made or students and parents become involved with any facet of the trip. Out-of-state travel must have Board approval.

Name of Group: 12th grade Neuroscience Class Campus / Department: New Tech Odessa

Location: Wood's Hole Oceanographic Institute, Massachusetts Grades Involved: 11-12 Number of Students: 16

Departure Date: March 6, 2022 Time: _____ AM/PM Return Date: March 12, 2022 Time: _____ AM/PM

Number of Instructional Days: 5 (Monday-Friday)

The sponsor has checked the number of accrued days for each participant? X Yes ____ No

(Please attach a complete trip description, proposed itinerary, and justification)

Funding source: X District Budget X Campus Budget ___Department Budget ___Activity Fund ___Personal

Trip function: X Curricular ___Extracurricular ___Competition *All costs to be reimbursed*

Trip profile: ___In-state X Out -of-state ___International

Transportation mode: ___School Bus ___School Suburban ___Activity Bus ___Charter Bus X Plane

Does the trip require fund-raisers? ___Yes X No

Are deadlines established to guide the sponsor if the trip has to be canceled due to lack of funding? ___Yes ___No n/a

What is the ratio of sponsors to students? Sponsors 4 / Students 16

Student orientation - Date: 1/24/22 Time: 3pm Location: New Tech Odessa

Parent orientation - Date: 1/26/22 Time: 5:30pm Location: (Google Meeting)

Sponsor orientation - Date: _____ Time: _____ Location: New Tech Odessa

Sponsor criminal background check - Date: Time of hire (All ECISD employees)

Will any kind of insurance be required? ___Yes x No

Will room and baggage searches be required? ___Yes x No

Coach/Sponsor: _____ (Signature) 1/19/22 (Date)

Principal Approval: _____ (Signature) 1/19/22 (Date)

Superintendent or Designee Approval: _____ (Signature) 1/21/22 (Date)

Board Approval: _____ (Signature – Required for Out-of-State Travel) _____ (Date)

DATE ISSUED: 06/24/2019
FMG(EXHIBIT)21

Anatomy & Development of Marine Vertebrates and Invertebrates

💻 = **Students must bring laptops with them to these sessions**

		TOPICS: Intro to embryology and development, MRC tour, water quality, set up observation tanks	TOPICS: Imaging, history of the MBL, rare books tour	TOPICS: Imaging, biodiversity, vertebrate anatomy	TOPICS: Invertebrate anatomy, coral biology, axolotl biology and regeneration	TOPICS: Complete embryo imaging; Cephalopod biology	TOPICS: Horseshoe crab biology; hematology; anesthesiology		Departure
Arrival									
Sunday	Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Time	Sunday
	7:00	**Breakfast 7 - 8 am**	**Breakfast 7 - 8:00 am/water quality testing, feed fish**	**Breakfast 7 - 8:30 am**	**Breakfast 7 - 8:30 am**	**Breakfast 7 - 8:30 am**	**Breakfast 7 - 8:30 am**	7:00	**Breakfast 7 - 8:30 am**
	7:30							7:30	
	8:00	💻 **MBL Orientation & Safety Training - Meigs Room**	Lab - Loeb 260: 2 hours for mounting embryos and confocal imaging; 1 hour for archives & rare books tour; 1 hour for local collection; *Rotation for six groups of 3 students					8:00	
	8:30							8:30	
	9:00	**Lecture - MRC 210**: Intro to embryology and development		💻 Lab - Loeb 260 - Imaging with Nipam Patel – Entire group	**Lecture - Loeb G70:** Invertebrate anatomy & physiology	**Lecture - MRC 210:** Butterfly microscopy lecture	**Lecture - Loeb G70**: Anesthesia, physical exam	9:00	**Check-out & Departure**
	9:30							9:30	
	10:00				**Lab - Loeb 260:** Invertebrate dissections: welk, sea star, cephalopod, crab, live horseshoe crab examination		**Lab - Loeb 260**: Anesthesia of toad fish & PE	10:00	
	10:30							10:30	
	11:00	**Lab - Loeb 260:** Begin embryo staining		**Lecture - MRC 210:** Biodiversity of Woods Hole – Dave Remsen		**Lecture - Veterinary medicine & animals in research**		11:00	
	11:30							11:30	
	12:00	**Lunch Noon - 1:30**	**Lunch Noon - 1:30**	**Lunch Noon - 1:30**	**Lunch Noon - 1:30**	**Lunch Noon - 1:30**	**Lunch Noon - 1:30**	12:00	
	12:30							12:30	
	1:00							1:00	
	1:30	**Lab - Loeb 260:** Continue embryo staining	Lab - Loeb 260: 2 hours for mounting embryos and confocal imaging; 1 hour for archives & rare books tour; 1 hour for local collection; *Rotation for six groups of 3 students	**Lecture - Loeb G70**: Intro to anatomy & physiology of teleosts and elasmobranchs	**Lecture - Loeb G70:** Coral anatomy, physiology, reproduction, and disease	**Lecture - Loeb G70**: Cephalopod biology – confirmed with BG	**Loeb 260 - Photo contest results; present water quality data**	1:30	
Arrival & Check-In: 2 - 5 pm	2:00							2:00	
	2:30	**MRC Tour**–Dave Remsen			**Lab - Loeb 260:** Coral microscopic examination	**Lab - Loeb 260**: Cephalopod demonstrations of camouflage/feeding behavior; hands on handling		2:30	
	3:00	**Lecture - Loeb G70:** Water Quality		**Lab - Loeb 260: Dissections: Teleosts & skates**	**Lecture/tour - Leob 260:** Special Topic: Regeneration - Karen Escheveri			3:00	
	3:30							3:30	
	4:00	**Lab - Loeb 260:** Complete embryo staining						4:00	
	4:30							4:30	
Dinner 5 to 6:30 pm	5:00	**Dinner 5 to 6:30 pm/announce photo contest**		**Dinner 5 to 6:30 pm**	**Dinner 5 to 6:30 pm**	**Dinner 5 to 6:30 pm**	**Dinner 5 to 6:30 pm**	5:00	
	5:30							5:30	
	6:00							6:00	
	6:30	**Lab - Loeb 260**: set up tanks; add animals from the tank room to the tanks Introduction to microscopes	**Pizza & Movie Night at 6 pm Meigs Room, Swope Center**			Option to observe butterfly wings on microscopes		6:30	
	7:00							7:00	
	7:30							7:30	
	8:00								
	8:30								