

## CONVOY: A Cultural Approach of Navajo Youth to Bio- Medical Sciences (2023-2028)



### CONVOY- Agenda for the Summer activities – 2024 (Preliminary Agenda, changes can happen)

S.No.	Date	Time	Activity	Facilitator	Phone	email	organization
1.	5/22/2024	5:30 pm to 8:00 pm	Orientation/ Open House/ Registration packets	Whole Team			Diné College
2.	6/03/2024	9:00 am to 4:00 pm	First day, Introduction, grouping, lab tours	<b>Dr. Hakim</b> <b>Dr. Ojo</b> <b>Mr. Lorenzo Max</b> <b>Ms. Phyllis Begay</b>			Diné College
3.	6/04/2024	9:00 am to 4:00 pm	Blessing Way Ceremony and NIS-111(Foundation of Navajo Culture and Traditions)	<b>Mr. Lorenzo Max</b>			Diné College

4.	6/05/2024	9:00 am to 12:00 pm	NIS-111(Foundation of Navajo Culture and Traditions)	<b>Mr. Lorenzo Max</b>			Diné College
		1:00 pm to 4:00 pm	Food handlers Certification training with reference to hand washing and infections	<b>TCRHCC outreach Department</b>			TCRHCC and Tuba City Chapter House
5.	6/06/2024	9:00 am to 4:00 pm	CPR, First AID & AED training And certification (group one)	<b>Ms. Chanley Dee and Team</b>			NSC Learning Diné College
7 <sup>th</sup> work from home; 8 <sup>th</sup> & 9 <sup>th</sup> holiday							
6.	6/10/2024	9:00 am to 12:00 pm	NIS-111 History of Basket Weaving	<b>Mr. Lorenzo Max</b>			Diné College
		1:00 pm to 4:00 pm	Demonstration on Basket Weaving & it's association with Navajo traditional Medicines	<b>Mr. Yellowhair</b>			Diné College
7.	6/11/2024	9:00 am to 12:00 pm	NIS-111 Traditional Healing Songs & Musical Therapy	<b>Mr. Lorenzo Max</b>			Diné College
		1:00 pm to 4:00 pm					Diné College
8.	6/12/2024	9:00 am to 12:00 pm	NIS-111 Importance of Na'ashó'ii dich'ízhii (horned toad) or Cheii (Grandfather) in Navajo traditions & Medicines	<b>Mr. Lorenzo Max</b>			Diné College
		1:00 pm to 4:00 pm	Demonstration on Moccasin Making & it's association with Navajo traditions	<b>Mr. Yellowhair</b>			

9.	6/13/2024	9:00 am to 12:00 pm	NIS-111(Foundation of Navajo Culture and Traditions)	<b>Mr. Lorenzo Max</b>			Diné College
		1:00 pm to 4:00 pm	Archery				
14 <sup>th</sup> work from home; 15 <sup>th</sup> & 16 <sup>th</sup> holiday							
10.	6/17/2024	9:00 am to 12:00 pm	NIS-111 Navajo traditional plants and their use in Medicine	<b>Mr. Lorenzo Max</b>			Diné College
		1:00 pm to 4:00 pm		<b>Mr. Arnold Clifford</b>			Diné College
11.	6/18/2024	9:00 am to 12:00 pm	NIS-111 Navajo traditional plants and their use in Medicine	<b>Mr. Lorenzo Max And Mr. Arnold Clifford</b>			Diné College
		1:00 pm to 4:00 pm	Field Day				Navajo Botanist/ Medicine Man
12.	6/19/2024	9:00 am to 4:00 pm	NIS-111	<b>Mr. Lorenzo Max</b>			Diné College
		1:00 pm to 4:00 pm	Intro to 3D printing; Anatomical models and body mechanisms	<b>Matthew Begay And Dr. Hakim</b>			Hakim's Lab., Diné College
13.	6/20/2024	9:00 am to 12:00 pm	NIS-111	<b>Mr. Lorenzo Max</b>			Diné College
		1:00 pm to 4:00 pm	3D printing Anatomical models & body mechanisms (Muscular System)	<b>Matthew Begay And TBD</b>			Hakim's Lab., Diné College And
			Archery				
21 <sup>st</sup> work from Home; 22 <sup>nd</sup> & 23 <sup>rd</sup> holiday							
14.	6/24/2024	9:00 am to 12:00 pm	Our hidden Friends or Enemies? <b>Pathogens</b>	<b>Dr. Hakim and Team</b>			Hakim's Lab., Diné College
		1:00 pm to 4:00 pm	Bacteria from environment	1. Hand impression			
15.	6/25/2024	9:00 am to 12:00 pm					

		1:00 pm to 4:00 pm	Protozoa from reservoir water	s and processing			
16.	6/26/2024	9:00 am to 12:00 pm	Fungus from Rotten fruits	2. Sample collection			
		1:00 pm to 4:00 pm	Bacteria from our skin/ saliva/ nose/or ears	3. Gram's staining			
17.	6/27/2024	9:00 am to 12:00 pm	Spread of Infection control and Role of Vaccines via <b>NOVEL</b> an interactive board game	4. Light microscopy			
		1:00 pm to 4:00 pm		5. Agar Art			
				6. Wet mount microscopy			
28 <sup>th</sup> work from Home; 29 <sup>th</sup> & 30 <sup>th</sup> holiday							
18.	7/01/2024		Week of July 4 <sup>th</sup> , Break, enjoy with your family, bring a 300 words reflection paper with you to share where you find application of your CONVOY project knowledge, during the break.				
19.	7/02/2024						
20.	7/03/2024						
21.	7/04/2024						
5 <sup>th</sup> work from Home; 6 <sup>th</sup> & 7 <sup>th</sup> holiday							
22.	7/08/2024	9:00 am to 4:00 pm	Seed Balls project & more	<b>Marquel Begay</b>			Ms. Benita Litson, Diné College Land Grant Office
23.	7/09/2024	9:00 am to 4:00 pm					
24.	7/10/2024	9:00 am to 4:00 pm	<b>Christine Ami (?TBC) Butchering and Navajo Culture and Traditions</b>				
25.	7/11/2024	9:00 am to 4:00 pm	<b>Health Café (a community event):</b> Mobile units for Acupuncture, Mammography, Dental; Free Hb, HBA1C, RBS (Random Blood Sugar); in collaboration with TCRHCC ( <b>All CONVOY participants will be shadowing the units</b> ); Optometry and free prescription glasses for individuals with doctor's prescription; BS Biomedical Sciences Program Registration/ Recruitment Booth; AT Still University Booth; University of Arizona School of Medicine Booth; NAU school of Nursing Booth and many more				
12 <sup>th</sup> work from Home; 13 <sup>th</sup> & 14 <sup>th</sup> holiday							
26.	7/15/2024	9:00 am to 4:00 pm	Electrolytes in Sports Drink, juice, coconut	Chemistry, Sports Science, Diabetes			Dr. Babatunde Ojo

			water and other beverages				
27.	7/16/2024	9:00 am to 4:00 pm	Sugar metabolism and human health	Chemistry, Sports Science, Diabetes			
28.	7/17/2024	9:00 am to 4:00 pm	Bacterial Transformation	<b>Dr. Arul Varman &amp; Ian Nez</b>			Varman's Lab., ASU & Hakim's Lab., Diné College
29.	7/18/2024	9:00 am to 4:00 pm	Visit to TCRHCC	<b>Charis Salabye &amp; Team</b>			TCRHCC
19 <sup>th</sup> work from Home; 20 <sup>th</sup> and 21 <sup>st</sup> holiday							
30.	7/22/2024	9:00 am to 4:00 pm	Biomedical Engineering	<b>Eng. Alex Goldtooth</b>			University of Utah
31.	7/23/2024	9:00 am to 4:00 pm	DNA Barcoding for monitoring biodiversity & Disease Vectors (mosquitoes, ants, flies)	<b>David Micklos &amp; Team</b>			Cold Spring Harbor Laboratory DNA Learning Center
32	7/24/2024	9:00 am to 4:00 pm	<ol style="list-style-type: none"> <li>1. Discussion of exposed vs. unexposed seed growth</li> <li>2. Solar Balloon discussion and explanation of the extreme environment <ul style="list-style-type: none"> <li>-Temp (-20c --&gt; -40c)</li> <li>-Altitude 60k ft MSL</li> <li>-Lack of O2/Air Pressure</li> <li>-30 x UV radiation</li> <li>-increased cosmic radiation</li> </ul> </li> <li>3. Hot air balloon activity (small scale in class)</li> </ol>	<p><b>Dan Small</b></p> <p>Main Focus will be radiation exposure and its impact on human health in variety of ways</p> <p>Like changes in DNA, mutations, some of the reasons behind skin cancers</p>			UAS Aviation Operations Unit (UAOU), Sandia National Lab, NM
33.	7/25/2024	9:00 am to 12:00 pm	Solar radiation activity <ol style="list-style-type: none"> <li>1. -look at increased solar</li> </ol>				

			thermal and UV radiation using a) solar oven b) 1.5 m Fresnel lens 2. -Strawberry DNA extraction for payload			
		1:00 pm to 4:00 pm	1. Geiger Counter Activity a. Sandia has some small sources and a simple radiation detector 2. prepare solar balloon payload / envelope 3. Solar radiation activity 4. Use a helium balloon as a backup?			
	7/26/2024	9:00 am to 4:00 pm	Air Balloon preparation and Launch Tracking and Recovery	Dan Small		

			In Tuba City				
27 <sup>th</sup> & 28 <sup>th</sup> holiday							
34.	7/29/2024	9:00 am to 4:00 pm	Discussion and planning for fall projects	Dr. Hakim Dr. Ojo Benita Litson Francetta Begay Phyllis Begay			Diné College
35.	7/30/2024	9:00 am to 4:00 pm	Brain is Diverse, so are WE	<b>Dr. Syed Mubarak</b> Hussain & the Team			Neural Diversity Lab, UNM
36.	7/31/2024	9:00 am to 4:00 pm	Brain Science				
37.	8/01/2024	9:00 am to 4:00 pm	Last day of summer training Abstracts ready for fall projects	Dr. Hakim Dr. Ojo Benita Litson Francetta Begaye Phyllis Begay			Diné College
38.	8/02/2024	9:00 am to 1:00 pm	Abstract submission for "ABRCMS" Conference To be held in November 2024 And Exit Survey	Briefing on continuation as fall internship by Dr. Hakim Enrollment in dual credit courses for fall (optional) by Francetta Begaye			Diné College Dr. Hakim Dr. Ojo Benita Litson Francetta Begaye Phyllis Begay Scott Burg
		1:00 pm to 4:00 pm	<b>Certificate Distribution</b> by: TBD				
<b>Fall Session Will Start on August 12 till October 11, 2024</b>							