



THE DRAELOS

FUTURE SCIENCE PROGRAM



JULY 14TH - 18TH, 2025
9:30 AM - 3:00PM



2907 E GATE CITY BLVD,
GREENSBORO, NC 27401

EXPLORE

RESEARCH IN NANOTECHNOLOGY AND
SYNTHETIC BIOLOGY



ENGAGE

WITH RESEARCHERS THROUGH HANDS-ON
EXPERIMENTS

EMPOWER

YOURSELF WITH CRITICAL THINKING, TEAMWORK,
AND PROFESSIONAL SKILLS FOR A FUTURE IN STEM



This workshop is sponsored
and approved by :
The Draelos Family & NC A&T



For more information
Contact: Jessica Norcott
jlnorcott@aggies.ncat.edu



THE DRAELOS

FUTURE SCIENCE PROGRAM



DAY 1

Monday, July 14th, 2025

Time	Activity	Details
9:30AM-10AM	Welcome and Check-In!	
10AM-10:20AM	Ice Breaker Activity	FUN
10:20AM-12PM	Introduction To Synthetic Biology	<ul style="list-style-type: none">• Pre- Assessment• Definition• Origins• Ethics• Applications• Workforce
12PM-1PM	LUNCH BREAK	YUM
1PM-2:30PM	The Nanoscale	Description and importance of the Nanoscale
2:30PM-3PM	Daily Summary/ Check-Out	



THE DRAELOS

FUTURE SCIENCE PROGRAM



DAY 2

Tuesday, July 15th, 2025

Time	Activity	Details
9:30AM-10AM	Welcome and Check-In!	
10AM-11AM	Popular Techniques in Synthetic Biology	Core techniques synthetic biologists use!
11-12PM	SEM Microscope mask viewing	Nanoscale practice - Visualization activity
12PM-1PM	LUNCH BREAK	YUM
1PM-2PM	Pipette Training	Nanoscale practice - Fine Motor Lab Skills
2PM-3PM	Daily Summary/ Check-Out	



THE DRAELOS

FUTURE SCIENCE PROGRAM



DAY 3

Wednesday, July 16th, 2025

Time	Activity	Details
9:30AM-10AM	Welcome and Check-In!	
10AM-10:20AM	Ice Breaker Activity	FUN
10:30AM-12PM	Cell Culture Training	Core techniques synthetic biologists use!
12PM-1PM	LUNCH BREAK	YUM
1PM-2:45PM	Research Activity	<ul style="list-style-type: none">• Viral Structure• RNA VS DNA• Mechanisms• Diagnostics• Therapeutics
2:45PM-3PM	Daily Summary/ Check-Out	



THE DRAELOS

FUTURE SCIENCE PROGRAM



DAY 4

Thursday, July 17th, 2025

Time	Activity	Details
9:30AM-10AM	Welcome and Check-In!	
10AM-10:20AM	Ice Breaker Activity	FUN
10:30AM-12PM	Research Activity	Discover how synthetic biology played a major role in the pandemic response!
12PM-1PM	LUNCH BREAK	YUM
1PM-2PM	Professional Development Skills	Tips on making yourself stand out as a scholars!
2PM-3PM	<i>Daily Summary/ Check-Out</i>	



THE DRAELOS

FUTURE SCIENCE PROGRAM



DAY 5

Friday, July 18th, 2025

Time	Activity	Details
9:30AM-10AM	Welcome and Check-In!	
10-12PM	"Among Us" Game - Who Among Us Has COVID?	FUN
12PM-1PM	LUNCH BREAK	YUM
1PM-1:15PM	Post-assesment	Explore how much you learned this week!
2PM-3PM	Closing Ceremony	FUN



THE DRAELOS

FUTURE SCIENCE PROGRAM



NOTES