

High School Biotech Summer Series Schedule

Week 1 June 18th Live Sessions

Opening Session

10:30am CT Linnea Fletcher and Jennifer Lazare

Topic	Canvas Module ID Number	Live session 11-12:30pm CT	Live Session 2-3:30pm CT
Safety/QA/QC	1.1	None	None
Micropipette and Lab Notebook	1.2	Leigh Brown, Bio-Rad	None
Solutions and Dilutions	2.2	None	None
DNA Extraction	2.3	Michael Fuller, BABEC	None
Biotech Workforce	None	Linnea Fletcher, Austin Community College	None
Biotech Careers	None	None	Sandra Porter, Digital World Biology
COVID Online Learning	None	None	Elizabeth Doggett, BABEC and Christina Le, BABEC

Week 1 June 19th Live Sessions

11:00am CT Special Topic: Career Industry Panel

Moderator: Brenda Summers – Director of communications NCBIO

Panelists:

Jennifer McMahan - Twin City Bio as manufacturing manager

Aaron Hanson – Plant manager at Bio-Rad

Mike Sandoval - President and Chief Operating Officer at Santé Laboratories

Russ Read – Executive Director, NCBW at Forsyth Community College

High School Biotech Summer Series Schedule

Week 1 June 20th Live Sessions
1:00-2:00pm CT Sharing Saturday: "Find all my free teacher support stuff" with Ellyn Daugherty, Author

High School Biotech Summer Series Schedule

Week 2 June 25th Live Sessions			
Opening Session			
10:30am CT Linnea Fletcher and Jennifer Lazare			
Topic	Canvas Module ID Number	Live session 11-12:30pm CT	Live Session 2-3:30pm CT
Electrophoresis 1	2.1	None	None
Electrophoresis 2 – Hands on DIY Box	None	Leigh Brown, Bio-Rad	Leigh Brown, Bio-Rad
DNA Finger Printing	2.2	Stan Harrison, GaBioEd	None
PCR	2.3	None	Michael Fuller, BABEC and Elizabeth Doggett, BABEC
Genetic Counseling	None	Cindy Kelly	None
Exploring Molecular Structures	None	None	Sandra Porter, Digital World Biology

High School Biotech Summer Series Schedule

Week 3 July 9th Live Sessions			
Opening Session			
10:30am CT Linnea Fletcher and Jennifer Lazare			
Topic	Canvas Module ID Number	Live session 11-12:30pm CT	Live Session 2-3:30pm CT
Aseptic Technique	3.1	None	None
Bacterial Transformation and Genetic Engineering	3.2	None	Stan Harrison GaBioEd
Protein (GFP) Purification and Quantifications	3.3	Linnea Fletcher, Austin Community College	None
SDS PAGE/Western	3.3	None	None
CRISPR Gene Editing	3.5	Leigh Brown, Bio-Rad	Leigh Brown, Bio-Rad
BACE	None	Lisa Mrozinske, Biotility	None
Tracking SARS-CoV-2	None	None	Sandra Porter, Digital World Biology

High School Biotech Summer Series Schedule

Week 4 July 16th Live Sessions			
Opening Session			
10:30am CT Linnea Fletcher and Jennifer Lazare			
Topic	Canvas Module ID Number	Live session 11-12:30pm CT	Live Session 2-3:30pm CT
DNA Barcoding	4.1	Dave Micklos, Cold Spring Harbor Lab	Dave Micklos, Cold Spring Harbor Lab
ELISA	4.3	None	Leigh Brown, Bio-Rad
Bradford and Western	4.4	None	None
miniPCR Hands-on session		None	Ally Huang, miniPCR
Emerging Technologies: Stem Cells and Regenerative Medicine Curriculum	Pending	Thomas Tubon, Madison Area Technical College	None
BACE	None	Lisa Mrozinske, Biotility	None
Biotech Clubs and Careers	None	Dave Menshew, Forensics Science Teacher	None

High School Biotech Summer Series Schedule

Week 5 July 23rd Live Sessions	
Biotechnology Vender Showcase	
Time	Company
10:30 – 11:15am CT	MiniOne Systems
11:15 – 12:00pm CT	Bio-Rad
12:00 – 12:45pm CT	Pasco
12:45 – 1:30pm CT	LabXchange
1:30 – 2:15pm CT	MiniPCRbio
2:15 – 3:00pm CT	Carolina Biological Supply
3:00 – 3:45pm CT	iGEM