MIPEP 2022 Schedule

	Monday 6/13 Prof. Erukhimova	Tuesday 6/14 Prof. Erukhimova	Wednesday 6/15 Prof. Erukhimova	Thursday 6/16 Prof. Erukhimova	Friday 6/17	Saturday 6/18
9:00 – 9:50 a.m.	Orientation	Toback: Vectors (3F, 4C)	Newton's Laws – (4D, 4E, 4F)	Conservation of Energy – (6D)	Labs @ MPHY	Modern Physics & Technology Belyanin
9:50 – 10:00 a.m.	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK
10:00 – 10:50 a.m.	Physics Pre-Test	Toback: Vectors (3F, 4C)	Newton's Laws – (4D, 4E, 4F)	Conservation of Energy – (6D)	Labs @ MPHY	Modern Physics & Technology Belyanin
10:50 – 11:00 a.m.	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK
11:00 – 12:00 p.m.	Physics Pre-Test (continued)	Kinematics & Graph Analysis – (4A & 4B)	Newton's Laws – (4D, 4E, 4F)	Momentum, Impulse, & Conservation – (6C & 6D)	Labs @ MPHY	Master Teacher time
12:00 – 1:00 p.m.	LUNCH	LUNCH	LUNCH	LUNCH with faculty	LUNCH	LUNCH
1:00 – 2:30 p.m.	Physics Show Erukhimova	Kinematics & Graph Analysis – (4A & 4B)	Work, Power, & Energy (GPE, EPE, KE) – (6A, 6B, 6C)	Momentum, Impulse, & Conservation	Labs @ MPHY	Independent Study & Weekend Break!
2:30 – 2:45 p.m.	BREAK	BREAK	BREAK	BREAK	BREAK	
2:45 – 3:50 p.m.	Toback: Vectors (3F, 4C)	Kinematics & Graph Analysis – (4A & 4B)	W-E Theorem – (6A)	Rotational motion: Kinematics and dynamics	Prof. Macri, How to measure the age of the Universe	
3:50 – 4:00 p.m.	BREAK	BREAK	BREAK	BREAK	BREAK	
4:00 – 5:30 p.m.	Hands-on activities and discussion	Hands-on activities and discussion	Hands-on activities and discussion	4-5 pm: Cosmology. Prof. Suntzeff	Physics demos on zero budget Erukhimova	
6:00 – 7:00 p.m.	Dinner	Dinner	Dinner	Dinner	Dinner	
8:00 – 8:30 p.m.	Physics in your classroom	Physics in your classroom	Physics in your classroom	Physics in your classroom	Stargazing night in the observatory, 8:30 pm	

	Monday 6/20 Profs. Fry, Erukhimova	Tuesday 6/21 Prof. Ford	Wednesday 6/22 Profs. Ross, Belyanin	Thursday 6/23 Prof. Belyanin	Friday 6/24	Saturday 6/25
9:00 – 9:50 a.m.	Gravity (5B)	Current – (5F, 5E)	Magnetic field	EM waves and optics	Labs @ MPHY	Physics Post-Test
9:50 – 10:00 a.m.	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK
10:00 – 10:50 a.m.	Gravity (5B)	Ohm's Law – (5F, 5E)	Magnetic field	EM waves and optics	Labs @ MPHY	Physics Post-Test
10:50 – 11:00 a.m.	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK
11:00 – 12:00 p.m.	Astronaut and Texas A&M Prof. Nancy Currie-Gregg	Capacitors	EM induction	Atomic, Nuclear, & Quantum	Labs @ MPHY	Final reflections & perception survey
12:00 – 1:00 p.m.	LUNCH	LUNCH	LUNCH	LUNCH with faculty	LUNCH	LUNCH
1:00 – 2:30 p.m.	Electrostatics – (5C & 5E)	Series & Parallel Circuits - (5F & 5G)	EM induction	Atomic, Nuclear, & Quantum	Cyclotron tour	Safe Travels
2:30 – 2:45 p.m.	BREAK	BREAK	BREAK	BREAK	BREAK	
2:45 – 3:50 p.m.	Electrostatics	Series & Parallel Circuits	Oscillations & Waves	Atomic, Nuclear, & Quantum	Origin of the Elements Prof. Rogachev	
3:50 – 4:00 p.m.	BREAK	BREAK	BREAK	BREAK	BREAK	
4:00 – 5:30 p.m.	Hands-on activities and discussion	Hands-on activities and discussion	Hands-on activities and discussion	4-5 pm: A Future in Quantum Technology, Prof. Zubairy	Black holes and general relativity Belyanin	
6:00 – 7:00 p.m.	Dinner	Dinner	Dinner	Dinner	Dinner	
8:00 – 8:30 p.m.	Physics in your classroom	Physics in your classroom	Contingency night for the observatory	Physics in your classroom	Physics in your classroom	