MIPEP 2024 Schedule

	Monday 6/10 Prof. Erukhimova	Tuesday 6/11 Prof. Erukhimova	Wednesday 6/12 Prof. Erukhimova	Thursday 6/13 Prof. Erukhimova	Friday 6/14	Saturday 6/15
9:00 – 9:50 a.m.	Orientation	Kinematics & Graph Analysis – (5A & 5C)	Newton's Laws – (5E, 5F, & 5G)	W-E Theorem – (7A & 7B)	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	Kinematics & Graph Analysis – (5A & 5C)	Newton's Laws – (5E, 5F, & 5G)	Conservation of Energy – (7C)	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 – (5A, 5B & 5C)	Work, Power, & Energy	Momentum, Impulse, & Conservation – (7D & 7E)	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.	Vectors (2B, 2C, 5B)	Kinematics & Graph Analysis – (5A, 5B, & 5C)	Work, Power, & Energy; 1:30-2:30 – lab tours	Momentum, Impulse & Conservation (7D & 7E)	Labs @ MPHY	Independent Study & Weekend Break!
2:30 – 2:45 p.m.	BREAK	BREAK	BREAK	BREAK	BREAK	
2:45 – 3:50 p.m.	Vectors (2B, 2C, 5B)	Newton's Laws – (5E, 5F, & 5G)	(begins at 3 pm) Astronaut and Prof. Nancy Currie-Gregg	Rotational motion: Kinematics and dynamics (5D)	Black holes and general relativity Belyanin	
3:50 – 4:00 p.m.	BREAK	BREAK	BREAK	BREAK	BREAK	
4:00 – 5:30 p.m.	Physics Show Erukhimova	Hands-on activities and discussion	Hands-on activities and discussion	4-5 pm: Astronomy lecture. Prof. Spilker	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	Observatory, 8:30 pm	

	Monday 6/17 Profs. Fry, Belyanin	Tuesday 6/18 Prof. Ford	Wednesday 6/19 Prof. Belyanin	Thursday 6/20 Prof. Belyanin	Friday 6/21	Saturday 6/22
9:00 – 9:50 a.m.	Gravity (5H)	Current – (6C & 6D)	Magnetic field (6B)	EM waves and optics (8D, 8E & 8F)	Labs @ MPHY	Physics Post-Test
9:50 – 10:00 a.m.	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK
10:00 – 10:50 a.m.	Gravity (5H)	Ohm's Law – (6E)	Magnetic field (6B)	EM waves and optics (8D, 8E & 8F)	Labs @ MPHY	Physics Post-Test
10:50 – 11:00 a.m.	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK
11:00 – 12:00 p.m.	Electrostatics – (6A)	Capacitors	EM induction (6B & 6C)	Atomic, Nuclear, & Quantum (9A, 9B, 9C & 9D)	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 – (6A)	Series & Parallel Circuits - (6D & 6E)	EM induction (6B & 6C)	Atomic, Nuclear, & Quantum (9A, 9B, 9C & 9D)	Labs @ MPHY, ends at 1:50 pm	Safe Travels
2:30 – 2:45 p.m.	BREAK	BREAK	BREAK	BREAK	BREAK	
2:45 – 3:50 p.m.	Electrostatics (6A)	Series & Parallel Circuits (6D & 6E)	Oscillations & Waves (8A, 8B & 8C)	Atomic, Nuclear, & Quantum (9A, 9B, 9C & 9D)	Starts at 2 pm: A deep dive into particle physics, Prof. Kelly	
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	Pattern formation in complex systems Prof. Rodriguez-Nieva	Cyclotron tour, Starts at 3 pm	
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, tentative	Physics in your classroom	Physics in your classroom	