

2026 블룸스버리 여름특강 커리큘럼

CLASS Info

강의대상	강의정보	강사
Y8-Y9 G7-G8	Science Lab Report 화목(8주) 18:00-19:30(90분)	
김의민 선생님		
학력		
학사	서울대학교 기계항공공학	
담당과목	Physics: AP, IB, IGCSE Chemistry: AP, IGCSE	

CLASS Curriculum

강의회차		강의내용
Lab Report 1	Lesson 1	[Pendulum Investigation] - Intro & Planning • Period (time of one swing) • Independent & dependent variables • Repeated measurements and averaging
	Lesson 2	[Pendulum Investigation] - Practical • Create pendulums with different string lengths • Measure time for multiple swings
	Lesson 3	[Pendulum Investigation] - Analysis • Length vs time graph • Identify relationship
	Lesson 4	[Pendulum Investigation] - Lab report
Lab Report 2	Lesson 5	[Ramp Motion Investigation] - Intro & Planning • Speed • Inclined plane
	Lesson 6	[Ramp Motion Investigation] - Practical • Change ramp angle • Measure time taken for object to travel a fixed distance
	Lesson 7	[Ramp Motion Investigation] - Analysis • Angle vs Speed graph • Relationship between slope and motion
	Lesson 8	[Ramp Motion Investigation] - Lab report
Lab Report 3	Lesson 9	[Reaction Rate Investigation] - Intro & Planning • Rate of reaction • Effect of temperature / concentration
	Lesson 10	[Reaction Rate Investigation] - Practical • Change temperature or concentration • Measure reaction time
	Lesson 11	[Reaction Rate Investigation] - Analysis • Variable vs Reaction time graph • Compare faster vs Slower reactions
	Lesson 12	[Reaction Rate Investigation] - Lab report
Lab Report 4	Lesson 13	[Friction Investigation] - Intro & Planning • Friction force • Effect of mass
	Lesson 14	[Friction Investigation] - Practical • Add different masses to an object • Measure the force required to pull it
	Lesson 15	[Friction Investigation] - Analysis • Mass vs frictional force graph • Relationship between weight and friction
	Lesson 16	[Friction Investigation] - Lab report

* 강의진도는 학생들의 수업 이해도에 따라 달라질 수 있습니다.