

BANGLADESH INTERNATIONAL SCHOOL

ENGLISH SECTION, RIYADH

SYLLABUS FOR THE ACADEMIC YEAR 2019 - 2020

FIRST TERM (1ST SEPTEMBER 2019 TO 30TH JANUARY 2020)

GRADE: 7

SUBJECT: PHYSICS

WEEK	UNIT	PAGE	TOPIC	ASSESSMENTS
01/09/2019 TO 05/09/2019	LIGHT AND SIGHT		Light rays: sources of light, rays and beams	
08/09/2019 TO 12/09/2019	LIGHT AND SIGHT		Shadows, speed of light.	
15/09/2019 TO 19/09/2019	LIGHT AND SIGHT		Reflection of light: Reflection, laws of reflection, regular and diffuse reflection.	
22/09/2019 TO 26/09/2019	LIGHT AND SIGHT		Plane mirrors: real and virtual images, lateral inversion, Image properties .	Class test
23/09/2019	SAUDI NATIONAL DAY			
29/09/2019 TO 03/10/2019	LIGHT AND SIGHT		Refraction of light: Refraction, facts about refraction. Dispersion of light, real and apparent depth.	
06/10/2019 TO 10/10/2019	LIGHT AND SIGHT		Total internal reflection: critical angle, total internal reflection.	
13/10/2019 TO 17/10/2019	LIGHT AND SIGHT		Lenses: lens, converging and diverging lenses,	Class test
20/10/2019 TO 24/10/2019	LIGHT AND SIGHT		Lenses: , principal centre, principal axis, principal focus.	1ST SEMESTER ASSESSMENT
27/10/2019 TO 31/10/2019	WAVES & SOUND		Mechanical waves: types of waves, describing waves, wave equation, wave fronts and rays.	1ST SEMESTER ASSESSMENT
03/11/2019 TO 07/11/2019	WAVES & SOUND		Electromagnetic radiations: properties of radio, UV, infrared, x rays and gamma rays.	1ST SEMESTER ASSESSMENT

10/11/2019 TO 14/11/2019	WAVES & SOUND		Sound wave:-Origin and transmission,reflection,echoes,limits of audibility	
17/11/2019 TO 21/11/2019	Forces &resources		Moments and levers: moment of a force, laws of moments, conditions of equilibrium.	
24/11/2019 TO 28/11/2019	Forces &resources		Centre of mass: toppling, stability, centre of mass.	EDUCATIONAL FIELD TRIP
01/12/2019 TO 05/12/2019	Forces &resources		Adding forces: force, weight, mass, forces and resultants, vectors and scalars.	EDUCATIONAL FIELD TRIP & AS/A2 MOCK EXAM
08/12/2019 TO 12/12/2019	Waves &Sound		Energy transfer: energy, forms of energy, energy transfer, conservation of energy.	AS/A2 MOCK EXAM
15/12/2019 TO 19/12/2019	Waves &Sound		Work, power and efficiency, Energy Sources: renewable and non renewable energy sources.	AS/A2 MOCK EXAM
16/12/2019	BANGLADESH VICTORY DAY			
22/12/2019 TO 26/12/2019				
29/12/2019 TO 02/01/2020	REVISION WEEK			
05/01/2020 TO 23/01/2020	FIRST SEMESTER EXAMINATION 2019 – 2020			
26/01/2020 TO 30/01/2020	PAPER REVIEW & REPORT CARD DAY			
31/01/2020 TO 08/02/2020	MID TERM BREAK			

BANGLADESH INTERNATIONAL SCHOOL

ENGLISH SECTION, RIYADH

SYLLABUS FOR THE ACADEMIC YEAR 2019 - 2020

SECOND TERM (9TH FEBRUARY 2020 TO 30TH JUNE 2020)

GRADE: 7

SUBJECT: PHYSICS

WEEK	UNIT	PAGE	TOPIC	ASSESSMENTS
09/02/2020 TO 13/02/2020	MOTION & ENERGY		Pressure in solids: pressure, unit of pressure, factors affecting pressure in solids.	
16/02/2020 TO 20/02/2020	MOTION & ENERGY		Pressure in liquids: liquid pressure, properties of liquid pressure.	CLASS TEST
21/02/2020	INTERNATIONAL MOTHER LANGUAGE DAY & BOOK FAIR			
23/02/2020 TO 27/02/2020	MOTION & ENERGY		SPEED, VELOCITY & ACCELERATION-CONSTANT AND VARIABLE SPEED, VELOCITY AND ACCELERATION	SPORTS WEEK
01/03/2020 TO 05/03/2020	MOTION & ENERGY		Force and acceleration: Newton's laws of motion. Inertia, mass and inertia,	
08/03/2020 TO 12/03/2020	MOTION & ENERGY		weight and gravity, gravitational field, terminal velocity.	CLASS TEST
15/03/2020 TO 19/03/2020	HEAT & ENERGY		Kinetic and Potential energy: kinetic energy, potential energy, conservation of energy.	
17/03/2019	CHILDREN'S DAY (BIRTH ANNIVERSARY OF FATHER OF NATION)			
22/03/2020 TO 26/03/2020	HEAT & ENERGY		Conduction and convection: conduction, convection in liquids and air, thermal conductors and insulators.	SECOND SEMESTER ASSESSMENT
26/03/2020	BANGLADESH INDEPENDENCE DAY			
29/03/2020 TO 02/04/2020	HEAT & ENERGY		Radiation: good and bad absorbers and emitters. Vacuum flask, green house effect	SECOND SEMESTER ASSESSMENT &
05/04/2020 TO 09/04/2020	ELECTRICITY		Static electricity: positive and negative charges, insulators and conductors, electrostatic induction,	IGCSE & AS/AL MOCK EXAMS
12/04/2020 TO 16/04/2020	ELECTRICITY		Attraction between charged and uncharged objects, dangers of static electricity, electric field.	IGCSE & AS/AL MOCK EXAMS

14/04/2020	BENGALI NEW YEAR			
19/04/2020 TO 23/04/2020	ELECTRICITY		Electric current: electric current , unit of current, charge , unit of charge, electric circuit, series and parallel circuit,direct & indirect current	AS/AL MOCK EXAMS
26/04/2020 TO 30/04/2020	ELECTRONS & ATOMS		Radioactivity: alpha, beta and gamma rays, uses of radioactive isotopes, Radioactive decay	CLASS TEST
03/05/2020 TO 07/05/2020	ELECTRONS & ATOMS		Atomic structure: structure of an atom, atomic and mass numbers, isotopes	
10/05/2020 TO 14/05/2020	ELECTROMAGNETIC EFFECTS		Magnetic field: properties of magnets, magnetization of iron and steel, hard and soft magnetic materials, magnetic field.	CLASS TEST
17/05/2020 TO 30/05/2020	RAMADHAN HOLIDAYS			
31/05/2019	SCHOOL REOPENS AFTER RAMADHAN HOLIDAYS			
31/05/2020 TO 04/06/2020				
07/06/2020 TO 22/06/2020	SECOND SEMESTER EXAMINATION 2019 – 2020			
25/06/2020	PAPER REVIEW DAY			
29/06/2020	REPORT CARD REVIEW DAY			
01/07/2020	SUMMER HOLIDAYS STARTS			
BEGINNING OF NEW ACADEMIC YEAR 2020 - 2021				

