



Class: 11

Subject: Biology

Academic Session: 2021-2022

Books Recommended: 1- Biology XI Punjab text book Lahore

2- Ilmi practical notebook

Details of Syllabus

S. No. Chapter/Topic Description

CH # 1	Biology and its fields	Phyletic lineage, Biological method, Biology, services of mankind,
2	Biological molecules	Water, Carbon, carbohydrates, lipids, protein, nucleic acid
3	Enzymes	Characteristics, mechanism of enzyme, Co-factor Inhibitors
4	The Cell	Cell structure, Cell organelles, Nucleus, cell wall, plastids, lysosome
5	Variety of life	Nomenclature, classification, Virus, bacteriophage, AIDS, Hepatitis
6	Kingdom prokaryotes	Bacteria, shape, structure, nutrition, reproduction, cyanobacteria
7	Kingdom Protista	Major group of Protista, Protozoa, Algae, Fungus like protists
8	Kingdom Fungi	Structure, Nutrition, Reproduction, classification and diseases of fungi
9	Kingdom Plantae	Classification, life cycle, evolution of leaf and seed, families
10	Kingdom Animalia	Classification of animals, Phylum, classes, Fishes, Amphibia, Reptilia, Aves and mammals.
11	Bioenergetics	Photosynthesis, light and dark reaction, respiration, Kreb’s cycle
12	Nutrition	Plant and animal nutrition, Human digestive system, diseases
13	Gaseous exchange	Gaseous exchange in plants, animals, respiratory disorders
14	Transport	Transport in plants, animals, Heart, blood vessels, blood, lymph
	Practical note book	Exp # 1-32



SADIQ PUBLIC SCHOOL

SYLLABUS

Class: I1

Subject: Islamiat

Academic Session: 2021-22

Books Recommended: Punjab Text Book Board Lahore

Details of Syllabus

S. No.	Chapter/Topic	Description
1	باب اول	بنیادی عقائد: توحید - رسالت - ملائکہ - آسمانی کتب - آخرت
2	باب دوم	اسلامی تشخص: ارکان اسلام - اللہ تعالیٰ اور رسول صلی اللہ علیہ وسلم کی محبت - حقوق العباد - معاشرتی ذمہ داریاں
3	باب سوم	آسوۃ رسول: رحمۃ للعالمین - اخوت - مساوات - صبر و استقلال - ذکر - غفور و درگزر
4	باب چہارم	تعارف قرآن - تعارف حدیث

Subject Teacher

Head of Department

Headmaster/Headmistress



# Sadiq Public School

## Syllabus

Class: I1

Subject: URDU

Academic Session: 2021-22

Books Recommended: سرمایہ اردو 11 (پنجاب ٹیکسٹ بک بورڈ - لاہور)

### Details of Syllabus

S. No.	Chapter/Topic	Description
1	نثری اسباق	نصابی اسباق کے خلاصے، حوالہ متن اور سیاق و سباق کے حوالے سے اقتباسات کی تشریحات
	"اُسوہ حسنہ" تا "اور آنا گھر میں مرغیوں کا"	
		معروضی و مشقی سوالات کے جوابات
2	منظومات: "حمد" تا "وحدانیت"	منظومات کے اشعار کی تشریحات، خلاصے،
		مشقی و معروضی سوالات کے جوابات، الفاظ کے مفہیم و مطالب
3	غزلیات: "میرتا" احمد ندیم قاسمی	غزلیات کے اشعار کی تشریحات، الفاظ کے مفہیم و مطالب، مشقی و معروضی سوالات کے جوابات
4	گرائمر	درخواست نویسی، رسید نویسی، روداد نویسی، مکالمہ نویسی،
		تلخیص، شعری اصطلاحات، ادبی اصطلاحات، تذکیر و تانیث کے لحاظ سے جملوں کی درستی

Subject Teacher

Head of Department

Headmaster/Headmistress



# Sadiq Public School

## Syllabus

Class: I1

Subject: Economics

Academic Session: 2021-2022

Books Recommended: RAHBER ECONOMICS PART I by ABDUL GHANI CH

### Details of Syllabus

S. No.	Chapter/Topic	Description
1	1	Nature and scope of economics
2	2	Utility and consumer behavior
3	3	Some mathematical and statistical concepts
4	4,5	Demand, Supply
5	6	Market equilibrium
6	11	Scale of production and laws of returns
7	12	Market and Revenue
8	13	Cost and cost curves
9	14	Maximization of profits
10	15	Equilibrium of firms – perfect competition and monopoly
11	7,8	Factors of production, Human resources
12	9	Capital resources
13	10	Organization
14	16,17	Pricing of factors of production, wages, rent, interest and profit

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Subject Teacher

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Head of Department

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Headmaster/Headmistress



# Sadiq Public School

## Syllabus

Class: I1

Subject: English

Academic Session: 2021-2022

Books Recommended: Inter Book 1 (Short stories), Inter Book 3 (Plays and Poems), Bright Grammar and Composition

### Details of Syllabus

S. No.	Chapter/Topic	Description
1	Book 1 (Short Stories)	Translation (English to Urdu), Synonyms, Question & Answers, MCQs, Punctuations
2	Book 3 (Plays)	Synonyms, Questions/Answers, MCQs
3	Book 3 (Poems)	Explanations with Reference to Context, Synonyms, Questions/Answers, MCQs, Figures of Speech.
4	Grammar	Letter Writing, Application Writing, Story Writing, Pair of words, Use of verbs.

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Subject Teacher

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Head of Department

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Headmaster/Headmistress



# Sadiq Public School

## Syllabus

Class: I1

Subject: MATHEMATICS

Academic Session: 2021-2022

Books Recommended: MATHEMATICS I1  
P.T.B.B LAHORE

### Details of Syllabus

S. No.	Chapter/Topic	Description
01	Chapter # 01	Number Systems
02	Chapter # 02	Set, Functions and Groups
03	Chapter # 03	Matrices and determinants
04	Chapter # 04	Quadratic Equations
05	Chapter # 05	Partial Fractions
06	Chapter # 06	Sequences and Series
07	Chapter # 07	Permutations, Combinations & Probability
08	Chapter # 08	Mathematical Inductions & Binomial Theorem
09	Chapter # 09	Fundamentals of Trigonometry
10	Chapter # 10	Trigonometric Identities Sum and difference of Angles
11	Chapter # 11	Trigonometric Function and was Graphs
12	Chapter # 12	Application of Trigonometry
13	Chapter # 13	Inverse Ergonometric Functions
14	Chapter # 14	Solutions of Trigonometric Equations

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Subject Teacher

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Head of Department

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Headmaster/Headmistress



Class: I1

Subject: Physics

Academic Session: 2021- 2022

Books Recommended: Punjab Text Book

Details of Syllabus

S. No.	Chapter/Topic	Description
01.	Chapter 01: Measurements	Physical quantities, precision, accuracy, scientific notation, prefixes, dimensional analysis, S.Q + Numerical Problems.
02.	Chapter 02: Vectors & Equilibrium	Basic concept of vectors, product of vector and scalars, torque, equilibrium, S.Q + Numerical Problems.
03.	Chapter 03: Motion & Force	Displacement, velocity, acceleration, momentum, impulse, projectile motion, S.Q + Numerical Problems.
04.	Chapter 04: Work, Power And Energy	Work, Power, Absolute potential energy, escape velocity, energy, S.Q + Numerical Problems.
05.	Chapter 05: Circular Motion	Avg. velocity, acceleration, centripetal force, moment of inertia, real and apparent weight, S.Q + Numerical Problems.
06.	Chapter 06: Fluid Dynamics	Viscosity, Bernoulli’s Equation and its applications, Blood Flow, S.Q + Numerical Problems.
07.	Chapter 07: Oscillations	SHM, SHM & Circular motion, mass spring system, simple pendulum, resonance, S.Q + Numerical Problems.
08.	Chapter 08: Waves	Waves, types of waves, periodic waves, speed of sound in air, Doppler’s effect, S.Q + Numerical Problems.
09.	Chapter 09: Physical Optics	Light waves, Young’s double slit experiment, Interference, Diffraction of light, Diffracting grating, S.Q + Numerical Problems.
10.	Chapter 10: Optical instruments	Microscope, telescope, spectrometer, optical fiber, S.Q + Numerical Problems
11.	Chapter 11: Heat and Thermodynamics	Kinetic Theory of Gases, Interpretation of Pressure on Kinetic Theory of Gases, Internal Energy, First Law of Thermodynamics, Heat Engine, Second Law of Thermodynamics, Carnot Engine, Entropy, S.Q + Numerical Problems

Subject Teacher

Head of Department

Headmaster/Headmistress



# Sadiq Public School

## Syllabus

Class: I1 Subject: Statistics

Academic Session: 2021-22

Books Recommended: INTRODUCTION TO STATISTICS PART -1  
BY MIRAJ DIN MIRZA

### Details of Syllabus

S. No.	Chapter/Topic	Description
1	CH:1	INTRODUCTION
2	CH:2	PRESENTATION OF DATA
3	CH:3	MEASURES OF LOCATION
4	CH:4	MEASURE OF DISPERSION, SKEWNESS AND KURTOSIS
5	CH:5	INDEX NUMBERS
6	CH:6	RULES OF COUNTING
7	CH:7	PROBABILITY
8	CH:8	RANDOM VARIABLES AND PROBABILITY DISTRIBUTIONS
9	CH:9	BINOMIAL AND HYPER GEOMETRIC DISTRIBUTIONS

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Subject Teacher

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Head of Department

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Headmaster/Headmistress





# Sadiq Public School

## Syllabus

Class: I1

Subject: Computer Science

Academic Session: 2021-2022

Books Recommended: Computer Science 11 by Punjab Text book Board Lahore

Computer Science 11 by IT Series

### Details of Syllabus

S. No.	Chapter/Topic	Description
1	Chapter 1	Basics of Information technology
2	Chapter 2	Information Networks
3	Chapter 3	Data Communication
4	Chapter 4	Applications and Uses of Computer
5	Chapter 5	Computer Architecture
6	Chapter 6	Security, copyright and the Law
7	Chapter 7	Windows Operating system
8	Chapter 8	Word Processing
9	Chapter 9	Spreadsheet Software
10	Chapter 10	Fundamentals of the Internet

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Subject Teacher

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Head of Department

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Headmaster/Headmistress



# Sadiq Public School

## Syllabus

Class: I1

Subject: Chemistry

Academic Session: 2020-2021

Books Recommended: Punjab text book (PTB)

### Details of Syllabus

Sr.No.	Chapter/Topic	Description
1.	Basic concepts	Atom, Relative abundance of isotopes, Average atomic mass, concept of mole, Stoichiometry, Limiting reactant, yields.
2.	Experimental techniques uses in chemistry	Filtration, crystallization, Sublimation, solvent extraction, chromatography
3.	Gases	Gas laws, Daltons law of partial pressure, Kinetic molecular theory of gases, Kinetic interpretation of temperature, Plasma state.
4.	Liquids and Solids	Intermolecular Forces, Crystal lattice, Crystals and their classification
5.	Atomic Structure	Sub atomic particles of atoms, Rutherford's model of atom, Plank's Quantum theory, Bohr's model of atom, Spectrum, Wave particle nature of matter, Heisenberg's Uncertainty principle.
6.	Chemical Bonding	Chemical bond, Atomic sizes, Ionization Energy, Electron Affinity, Electronegativity, Types of bonds, VSEPR, VBT, MOT, hybridization
7.	Thermochemistry	System, Surroundings and State Function, Internal Energy and First law of thermodynamics, Enthalpy, Hess's Law, Born haber cycle
8.	Chemical Equilibrium	Reversible and irreversible reactions, Application of chemical equilibrium in industry, Ionic product of water, Ionization constants of Acids, Ionization constants of bases, Common ion effect, Buffer solutions
9.	Solution	Ideal and non- ideal solutions, solubility and solubility curves, Colligative properties of solutions, Energetics of solutions
10.	Electrochemistry	Definition of electrochemistry, Oxidation State and Balancing of Redox equations, Electrolytic conduction, Electrode potential, Electrochemical series
11.	Reaction Kinetics	Rate of reaction, Energy of activation, Finding order of reaction, Arrhenius Equation.

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Subject Teacher

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Head of Department

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Headmaster/Headmistress