



Sadiq Public School

Syllabus

Class: C-2

Subject: Pak. Studies-II

Academic Session: 2021-2022

Books Recommended: Environment of Pakistan By Huma Naz Sethi

Details of Syllabus

S. No.	Chapter/Topic	Description
01	Agriculture	Farming, Types of Agriculture, Main Crops of Pakistan, Minor Crops of Pakistan
		Importance and Problems of Livestock Farming in Pakistan
		Factors affecting Agricultural Production in Pakistan
02	Power Resources	Non-Renewable Energy Resources, Electricity, Renewable Energy resources
		Rural Electrification
03	Industrial Development	Secondary industry as a system, Factors affecting Industrial Location, Principal Industries in Pakistan
		Industrial Estates and Special Industrial Zones, Cottage and Small-scale Industries in Pakistan
		Importance and Problems of Cottage and Small-scale Industries,
		Tourism as a Tertiary Industry in Pakistan
04	Trade	Benefits of trade, Major imports and exports of Pakistan, Balance of Payments Position,
		Export Processing Zones, Trade Barriers and Trading Blocs
05	Transport and Telecommunication	Different Modes of Transport, Dry Ports, Benefits of Developing the transport system in Pakistan,
		Telecommunication, its importance, problems, and implementations in Pakistan



Sadiq Public School

Syllabus

Class: C2

Subject: URDU

Academic Session: 2021-22

Books Recommended: اردو کیمرج سلیبس بی (3248)
از عامر وحید قمر

Details of Syllabus

S. No.	Chapter/Topic	Description
P1	مضمون نویسی،	اشارات کی مدد سے الفاظ کی مقررہ حد (150) میں مضمون لکھنا
	خطوط نویسی، مکالمہ نگاری، رپورٹ نویسی، تقریر نویسی	کسی عنوان کے تحت 200 الفاظ میں خط لکھنا کسی عنوان کے تحت 200 الفاظ میں مکالمہ لکھنا کسی عنوان کے تحت 200 الفاظ میں تقریر لکھنا کسی عنوان کے تحت 200 الفاظ میں رپورٹ لکھنا
	انگریزی سے اردو ترجمہ	مختلف اقتباسات کا انگریزی سے اردو میں ترجمہ کرنا
P2	محاورات کا جملوں میں استعمال	محاورات کا مفہوم واضح کرنے کے لیے جملوں میں استعمال
	جملوں کی ساخت میں تبدیلی	جملوں کی ساخت میں تبدیلی بلحاظ زمانہ، متضاد، واحد جمع، مذکر مؤنث وغیرہ
	خالی جگہوں کی تکمیل	اقتباسات میں موجود خالی جگہوں کی دئے گئے الفاظ سے تکمیل
	تفہیم	عبارت کو پڑھ کر دئے گئے سوالات کے جواب دینا
	خلاصہ - تلخیص	دیئے گئے اقتباس کی تلخیص کرنا

Subject Teacher

Head of Department

Headmaster/Headmistress



Sadiq Public School

Syllabus

Class: C2

Subject: **BIOLOGY**

Academic Session: 2021-2022

Books Recommended: Marshall Cavendish Edition

Biology Matters (GCE O Levels 2nd Ed.)

Details of Syllabus

S. No.	Chapter/Topic	Description
1.	Plant Nutrition	Photosynthesis, factors affecting photosynthesis, investigation of photosynthesis, structure of leaf and its adaptations, mineral nutrition with emphasis on nitrate ions and magnesium.
2.	Transport in Humans	Circulatory system of man, double circuit circulation, structure and function of mammalian heart, blood vessels (arteries, veins, capillaries), circulatory fluid – Blood and its components.
3.	Transport in flowering plants	Water and ion uptake, Functions of Xylem and Phloem, Translocation of food, Structure and Function of Root Hair, Transport and its mechanism, Factors affecting rate of Transpiration.
4.	Human gas exchange	Structure of Human Respiratory system, role and function of alveoli Mechanism of Respiration, Inspired and expired air, role of ribs.
5.	Respiration	Aerobic and anaerobic respiration, word equation for aerobic and anaerobic respiration.
6.	Excretion	Urinary system of human, Structure and Function of Kidney, Structure of Nephron and its associated blood vessels, Formation of Urine, Role of liver in assimilation of amino acids, deamination in Liver, Formation of Urea.
7.	Disease and immunity	pathogens, transmission of pathogen, role of mosquito as vector, AIDS, HIV, cholera, disease continued, consumption of alcohol, effect of tobacco smoke , drugs, antibiotics, antibiotic resistance ,immunity, active immunity, vaccination.
8.	Practical assessment	Alternative to practicals (ATP)

Subject Teacher

Head of Department

Headmaster/Headmistress



Sadiq Public School

Syllabus

Class: C2

Subject: Business Studies

Academic Session: 2021- 2022

Books Recommended: Business Studies (Latest Edition) By Karen Borrington and Peter Stimpson

Details of Syllabus

S. No.	Chapter/Topic	Description
1.	6.	Motivating workers
2.	7.	organization and management
3.	8.	Recruitment, selection and training of workers
4.	9.	Internal and external communication
5.	17.	Production of goods and services
6.	18.	Costs, sales of production and breakeven analysis
7.	19.	Achieving quality production
8.	20.	Location decisions
9.	26.	Government economic objectives and policies
10.	27.	Environment and ethical issues
11.	28.	Business and international economy

Subject Teacher

Head of Department

_____/_____
Headmaster/Headmistress



Sadiq Public School

Syllabus

Class: C2

Subject: Mathematics

Academic Session: 2021-2022

Books Recommended: OXFORD MATHEMATICS D2 (7th Edition)

OXFORD MATHEMATICS D3(7th Edition)

Details of Syllabus

S. No.	Chapter/Topic	Description
Mathematics Book D2 (7 th edition)		
01	Chapter # 03	Expansion and Factorization of quadratic Expressions
02	Chapter # 04	Further Expansion and Factorization of Algebraic Expressions
03	Chapter # 05	Quadratic Function and Graphs
04	Chapter # 06	Algebraic Factorization
05	Chapter # 07	Relation and Function
06	Chapter # 08	Congruence and Similarity
07	Chapter # 09	Geometrical Transformation
08	Chapter # 10	Pythagoras's Theorem
09	Chapter # 11	Trigonometric Ratios
10	Chapter # 12	Volume and Surface Area of Pyramids, Cones and Spheres
11	Chapter # 13	Symmetry
12	Chapter # 14	Sets
13	Chapter # 15	Probability and Single Functions
14	Chapter # 16	Statistical Diagrams
15	Chapter # 17	Average of Statistical Data

Subject Teacher

Head of Department

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Headmaster/Headmistress



Class: C2

Subject: Chemistry

Academic Session: 2021-22

Books Recommended: O-level Chemistry by C.N PRESCOTT

Details of Syllabus

S. No.	Chapter/Topic	Description
1	Formulae, stoichiometry and the mole concept	symbols,chemical formula,chemicalequation,empirical formula,molecular formula
2	Electrolysis	Conduction of electricity in ionic compounds,Acids,Alkalis.electrochemical series ,applications of electrolysis.
3	Energy from chemicals	Exothermicand endothermic reactions.enthalpy change,photosynthesis,fractions of crude oil
4	Chemical reactions	Rate of reaction Redox Reversible reactions
5	The chemistry and uses of acids, bases and salts	The characteristic properties of acids and bases Preparation of salts Properties and uses of ammonia Sulfuric acid

Subject Teacher

Head of Department

Headmaster/Headmistress



Sadiq Public School

Syllabus

Class: C2

Subject: Economics

Academic Session: 2021-2022

Books Recommended: IGCSE and O' Level Economics (Susan Grant)

Details of Syllabus

S. No.	Chapter/Topic	Description
1	7,8,9,10	Demand, supply, Price determination, price changes
2	11,12	Price elasticity of demand, Price elasticity of supply
3	14	Market failure
4	20,21	Firms, firms and production
5	22	Firms, costs, revenue and objectives
6	23	Market structure
7	24,25	Role of government, the macroeconomic aims of government
8	26,27, 28	Fiscal policy, monetary policy and supply side policies
9	29	Economic growth
10	30	Employment and unemployment
11	31	Inflation and deflation
12	32	Living standards and poverty

Subject Teacher

Head of Department

Headmaster/Headmistress



Sadiq Public School

Syllabus

Class: C 2

Subject: Physics

Academic Session: 2021-2022

Books Recommended: Cambridge University Recommended Books

Details of Syllabus

S. No.	Chapter/Topic	Description
1	Pressure	Define pressure as force per unit area. Describe how pressure varies with force and area in the context of everyday examples. pressure beneath the surface of a liquid $\Delta p = \rho g \Delta h$
2	Kinetic particle model of matter	States of matter, Know the distinguishing properties of solids, liquids and gases, Recall and use the equation $p_1 V_1 = p_2 V_2$,
3	Thermal expansion of solids, liquids and gases	Explain applications and consequences of thermal expansion. Convert temperatures between kelvin and degrees Celsius; recall and use the equation $T \text{ (in K)} = \theta \text{ (in } ^\circ\text{C)} + 273$
4	Transfer of thermal energy	Conduction, Convection, Radiation, Describe experiments to distinguish between good and bad thermal conductors. convection in liquids and gases in terms of density change, energy transfer by infrared radiation
5	Specific heat capacity	Define specific heat capacity as the energy required per unit mass per unit temperature increase specific heat capacity = change in energy mass $\times$ change in temperature $Q=mc\Delta T$
6	Melting, boiling and evaporation	Describe melting, solidification, boiling and condensation in terms of energy transfer without a change in temperature $Q=ml$
7	General properties of waves	waves transfer energy without transferring matter, features of a wave in terms of wave front, wavelength, frequency, crest (peak), trough, wave speed = frequency $\times$ wavelength $v = f \lambda$
8	Sound	Production of sound by vibrating sources, longitudinal nature of sound waves and describe compressions and rarefactions. ultrasound as sound with a frequency higher than 20 kHz
9	Light	Reflection of light, Refraction of light, Thin lenses Dispersion of light, Electromagnetic spectrum,
10	Simple magnetism and magnetic fields	Difference between magnetic and non-magnetic materials, induced magnetism, magnetic field lines, plotting of magnetic field lines with a compass or iron filings.
11	Electricity	Electrical charge, unlike charges attract and like charges repel, electrical conductors and insulators, Electrical current, conventional current, Electromotive force and potential difference, Resistance, Ohm's law
12	Electric circuits	Circuit diagrams and circuit components, Series and parallel circuits, Action and use of circuit components, two resistors used as a potential divider $R_1/R_2=V_1/V_2$

Subject Teacher

Head of Department

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Headmaster/Headmistress



Sadiq Public School

Syllabus

Class: C2

Subject: Computer Science

Academic Session: 2021-2022

Books Recommended: Cambridge IGCSE Computer Science by David Watson And Helen Williams

Details of Syllabus

S. No.	Chapter/Topic	Description
1	Chapter no 4: Software	Understanding of Types of Software and programming languages.
2	Chapter no 5: Internet and its uses	Understanding of WWW, Digital currency and Cyber Security
3	Chapter no 6: Automated and Emerging Technologies	Understanding of Automated systems, Robotics and Artificial Intelligence
4	Chapter no 7: Algorithm Design and Problem Solving	Understanding of designing algorithms, their verification and validation and testing for errors via dry run and use of test data.
9	Chapter no 9: Databases	Understanding of Data Organization via use of databases

Subject Teacher

Head of Department

Headmaster/Headmistress



Sadiq Public School

Syllabus

Class: C2 Subject: Accounting

Academic Session: 2021-2022

Books Recommended: Business Accounting (Vol-1) By Frank Wood & Alan Sangster 14th Edition.

Details of Syllabus

S. No.	Chapter/Topic	Description
1	Ch. No. 24	Capital expenditure and revenue expenditure
2	Ch No. 25	Irrecoverable and Doubtful Debts Accounts
3	Ch. No. 26	Depreciation (Calculations)
4	Ch No. 27	Double entry for Depreciation
5	Ch No. 28	Accruals and Prepayments
6	Ch No. 30	Bank Reconciliation Statement
7	Ch No. 31	Control Accounts
8	Ch. No. 32	Errors Not Affecting Trial Balance
9	Ch No. 33	Suspense Account
10	Ch No. 34	Ratio Analysis
11	Ch No. 35	Single entry and incomplete records
12	Ch No. 36	Receipts and payments accounts and income and expenditure accounts

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Subject Teacher

Head of Department

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Headmaster/Headmistress



Class: C2

Subject: English 1123

Academic Session: 2021 - 2022

Books Recommended: English for Cambridge O Level Book 2,
Oxford Progressive English 10 and Advance Vocabulary Book 3 (for Personal Practice)

Details of Syllabus

S. No.	Chapter/Topic	Description
1.	1 to 15	Reading and Comprehension - English for Cambridge O Level Book 2
		Word Matters - English for Cambridge O Level Book 2
		Language Matters - English for Cambridge O Level Book 2
		Writing Practice Tasks - English for Cambridge O Level Book 2
		Examiner Guide - English for Cambridge O Level Book 2
		Examination Practice - English for Cambridge O Level Book 2
		Examination Practice - English for Cambridge O Level Book 2
		Practice Papers - English for Cambridge O Level Book 2
2.	Advance Vocabulary	Tests can be used randomly to build students' vocabulary.
3.	Oxford Progressive 10	For further practice

Subject Teacher

Head of Department

Headmaster/Headmistress



SADIQ PUBLIC SCHOOL

SYLLABUS

Class: C2

Subject: Islamiat

Academic Session: 2021-22

Books Recommended: Islamiat for students by Farkhanda Noor Muhammad

Details of Syllabus

S. No.	Chapter/Topic	Description
1	Passages	Passage # 6-12
2	Hadith	Hadith # 6-12
3	Biography	Outstanding qualities of the Prorphet SAWW, Prophets behavior with others, seal of Prophets
4	Articles of Faith	Belief in Angels, Divine decree, revealed books
5	Pillars of Isalm	Zakat , Fasting, Hajj, Jihad
6	Caliphs	Hazrat Umar RA
7	Early Muslim Community	Ten blessed companions, Important personalities, Wives of Prophet

Subject Teacher

Head of Department

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Headmaster/Headmistress