

The Mama Parsi Girls' Secondary School
Cambridge Section
Second Term Syllabus 2022 (Class IX-Science)

English Language

January:

- Comprehension passages
- Grammar: synthesis of sentences (simple, compound, complex), punctuation (the comma)
- Vocabulary: parallelism, avoiding redundancy, fragments, run on
- Composition: argumentative writing, summary writing, letter writing (informal and formal), report writing

February:

- Comprehension passages
- Composition: narrative writing

March/April:

- Comprehension passages
- Grammar: variety of sentences, punctuation (usage of commas)
- Vocabulary: idioms, homophones, and similes
- Composition: story writing and summary writing

Revision

May: annual examinations

English Literature

BOOKS PRESCRIBED: Lord of the Flies, Doctor Faustus

NOTE: Students must have read the novel and the play at least once before the start of the term.

JAN '22

Lord of The Flies (chapter 8-9 along with practice questions) **Doctor Faustus** (Sc 7, chorus 2)
Poem: From Long Distance by Harrison

FEB '22

Lord of The Flies (chapter 10 -11 along with practice questions) **Doctor Faustus** (Sc 8, Chorus 3)
Poem: The Telephone Call by Adcock

MAR '22

Lord of The Flies (chapter 12 along with practice questions) **Doctor Faustus** (Sc 9 and 10)
Poem: Request to a Year by Wright

APR '22

Lord of The Flies (practice questions)
Doctor Faustus (Chorus 4, Sc 11, Epilogue) & revision

MAR' 22

FINAL EXAMS

Mathematics

Book: New Syllabus Mathematics Book 2 and 3 (7th Edition)

January:	Chapter 3 Linear Inequalities in one variable Chapter 2 Linear Graphs and Simultaneous Linear Equations (Book 2: 2.2) (Teacher given handouts)
February:	Chapter 11 Congruent and Similar Triangles Chapter 12 Area and Volume of Similar Figures and Solid
March:	Sets (Teacher given handouts) Chapter 16 Statistical diagrams (Book 2: 16.4-16.6)
April:	Chapter 5 Application of Mathematics in Practical Situations Revision
May:	Annual Examination

Biology

- Books prescribed**
- 1. A Course book for O' Level by Lam Peng**
 - 2. Biology : D.G.Mackean**

JANUARY 2022

TOPIC

Transport in humans

Blood composition

Features of blood vessels

Blood circulation (single and double circulation)

FEBRUARY 2022

Features of heart and circulation

Blood pressure and pulse rate

MARCH 2022

Nutrition in plants

APRIL 2022

Classification of plants and animals

Concept and use of a classification system

Features of organisms

MAY 2022

FINAL EXAMINATION

Physics:

January:

Electrical quantities

Electrical charge

Electrical current

Electromotive force and potential difference

Resistance

February:

Electric circuits

Circuit diagrams and circuit components

Series and parallel circuits

March:

Kinetic particle model of matter

States of matter

Particle model

April:

Thermal properties and temperature

Thermal expansion of solids, liquids and gases

Specific heat capacity

Melting, boiling and evaporation

Transfer of thermal energy

Conduction

Convection

Radiation

Consequences of thermal energy transfer

May:

Annual Examination

Chemistry:

January 2022

5. Chemical Energetics

5.1 Exothermic and Endo thermic reactions

February 2022

7.1 Acids, bases and salts

7.2 Oxides

7.3 Preparation of Salts

March 2022

12 Experimental Techniques and chemical analysis

12.1 Acid-base Titrations

12.5 Identification of ions and gases

April 2022

6 Chemical Reactions

6.4 Redox

9 Metals

May 2022

Annual Examination 2022

Name of the book

Author's Name

Text Book

Chemistry Matters

Tin Yan Toon

Reference Books

- | | |
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| 1. Chemistry 'A course of O level' | Christopher. N. Prescott |
| 2. Fundamental Chemistry for Cambridge | Gallagher Ingram |
| 3. Chemistry for Cambridge o level | Derek Mc Monagle |

Geography

Books prescribed: The Environment of Pakistan-Huma Naz Sethi

January	Fishing.
February	Water Resources.
March	Agriculture-Problems and solutions.
April	Major Crops of Pakistan. Revision.
May	Annual Examination.

History:

Books prescribed:

1. The History and Culture of Pakistan
(New Edition) Nigel Kelly
2. Pakistan
A Historical and Contemporary Look
(Revised Edition) Farooq Naseem Bajwa

<u>MONTH</u>		<u>TOPICS</u>
January 2022 Early 20 th	:	-Development of Pakistan Movement during Century (1900-1919)
February Cause of Pakistan (1927-1939)	:	-Khilafat Movement in advancing the Movement (1919-1922) (includes p.66) -Success of Pakistan Movement
March (1939-1947)	:	-Success of Pakistan Movement -Establishment of an independent nation between 1947-8
April	:	-Contributions of Quaid-e-Azam, Allama Iqbal and Rehmat Ali
		Revision
May	:	Annual Examination

Computer Science

Book Prescribed: Cambridge IGCSE and O Level
Computer Science Course book (2nd edition)
DAVID WATSON & HELEN WILLIAM and Past Papers

Theory

January:

Topic: 2.2.3: Check Digit (ISBN)

Unit 3.2: Input and Output devices

- Barcode Scanner
- QR Codes
- Digital Camera
- Keyboard

February:

- Microphones
- Optical Mouse
- 2D and 3D Scanners
- Touch Screens

March:

Unit 3.2.2: Output Devices

- Actuators
- Light projectors
- Printers & 3D Printers
- LED & LCD Screens
- Loud Speaker

April: Unit 3.2.3: Sensors

Unit 3.3: Data Storage

May : Revision & Final Examination

PRACTICAL

Unit 8: Programming

Hands on practice: Python

Urdu

BOOK PRESCRIBED: GUL HA E URDU

URDU O LEVEL SYLLABUS A

MURATTIB O MUALLIF

MUJEEB UR REHMAN

January : prose: Over Coat (Ghulam Abbas)

Lang : Bayan , Tafheem

February: Poetry : Abstract Art (Syed Muhammad Jafri)

Lang : Behas , Tafseel

March : Prsoe : Qader e Ayaz

Lang: Daleel , Unseen passage

April : Lang: Tafheem , Daleel Revision

May : **Annual Examinations**

Islamiyat

Books Prescribed: Cambridge O Level Islamiyat [Dr. Saqib Muhammad Khan],
An Introduction to Islamiyat-History , Beliefs and Practices [Nighat Farooq
Bajwa]

JANUARY

- History & Importance of Hadith (Classifications, Types, Main Compilers, Six Authentic Books, Sunnah as a Source of Shariah Law)
- History & Importance of Qur'an (Use of Qur'an in Legal Thinking, Relationship of Qur'an with Hadith, Significance of Qur'an, Ijma & Qiyas and their Significance)
- Hadith no. 17,18, 19 & 20

FEBRUARY

- Umar (R.A)
- Prominent Companions
- God's Predestination & Decree
- Resurrection & the Last Day

MARCH

- Hajj
- Prayers- Salat
- Four Rightly Guided Caliphs during the Lifetime of the Prophet
- Revision: Mothers of the Faithful

APRIL

- Revision: Belief in Prophets
- Revision: Surahs: Allah in Himself & His Relationship with the Created World
- Revision: Behaviour & Treatment of the Holy Prophet
- Revision

MAY

FINAL EXAMINATION