



CLASS 7 CURRICULUM ACADEMIC YEAR 2023-2024

LANGUAGE

SECONDARY ENGLISH BOOK TWO

GRAMMAR

1. The Sentence
2. Phrases and Sentences
3. Nouns/ Gender/ Masculine and Feminine
4. Four Kinds of Nouns
5. Verbs
6. Active and Passive Verbs
7. Present Participles
8. Past Participles
9. Adjectives
10. Comparison of Adjectives
11. Adverbs
12. Meaning and Context
13. Effective Communication
14. Prefixes and Suffixes
15. Word Families

COMPREHENSION

Reading extracts from novels and answering recall as well as inferential questions.

PUNCTUATION

1. Using Punctuation to Change the Meaning
2. Capital Letters and Full Stops
3. Using the Full Stop for Abbreviations
4. Capital Letters for Proper Nouns
5. Using the Question Mark
6. The Exclamation Mark
7. The Comma
8. The Colon
9. The Apostrophe- To Show Possession
10. Quotation Marks
11. The Apostrophe- To Show Contraction

CREATIVE WRITING

- Imaginative
- Descriptive
- The Opening Sentence
- Keeping a Diary
- The Writer's Technique
- Story Writing
- Autobiography
- Descriptions of People
- Descriptions of Places

VOCABULARY

- Spelling
- Jumbled Words
- Words on the Go
- Missing Words
- Word Forms
- Threesomes
- Letter Shuffle
- Using the Clues
- Creating New Words
- Meanings and Words

- Compounds
- Name Knowledge
- Odd Word Out
- Picking From the Pairs
- Working With Spelling-Box Words
- Occupations

LITERATURE

- The Merchant of Venice by William Shakespeare
- The Origins Book of Verse:
 1. Noise - Jesse Pope
 2. You are Old Father William - Lewis Carroll
 3. Rain in Summer - Henry Wadsworth Longfellow
 4. Questions – Unknown
 5. All the world's a Stage – William Shakespeare
 6. Ozymandius – Percy B. Shelly

URDU

- جملوں کی ساخت
- مضمون نویسی
- خط نویسی (رسمی / غیر رسمی)
- کہانی نویسی
- تفہیم
- ضرب الامثال (معنی اور جملوں میں استعمال)
- خلاصہ نگاری
- ترجمہ نویسی (انگریزی جملوں کا اردو جملوں میں)
- واحد جمع (کالم اور جملوں میں مشق)
- مزکر مونث (کالم اور جملوں میں مشق)
- مترادف الفاظ (کالم اور جملوں میں مشق)
- اضداد (کالم اور جملوں میں مشق)
- تشبیہات (جملوں میں استعمال)
- محاورے (معنی اور جملوں میں استعمال)

- کلوز عبارت
- کاروان اُردو (جماعت ہفتم)
- اوریجنز عملی ورک بُک (2-1)

ISLAMIAT

STUDIES IN ISLAM 7

- Allah is the Creator
- Faith in the Day of Judgement
- Surah al-Adiyat (The War Steeds)
- The Hajj- a Pillar of Islam
- Surah at- Takathur (Wordly Gain)
- Surah al-Kafirun (The Unbelievers)
- Obedience to Parents
- Aya tul-Kursi (Verse of the Throne)
- Truthfulness- an Islamic virtue
- From al-Mutaffifin (Those who Deal in Fraud)
- Purification is a part of faith
- Salah- a Pillar of Islam part 1
- Salah- a Pillar of Islam part 2
- Astaghfar- seeking forgiveness
- From Surat ul-Baqarah (The Cow)
- The Fasting and Laylatul Qadr
- The Zakat
- The Glorious Holy Quran
- Battles led by our Holy Prophet (Part 1, 2, 3)
- Such were the Prophet's Companions:
 1. Hazrat Umar Farooq
- Facts about the Prophets:
 1. Hazrat Nuh
 2. Hazrat Isa
- Surah Ash-Shams (The Sun)

MATHEMATICS

NEW SYLLABUS MATHEMATICS 1

DIVISIBILITY RULES

CHAPTER 1: PRIMES, HIGHEST COMMON FACTOR AND LOWEST COMMON MULTIPLE

CHAPTER 2: INTEGERS, RATIONAL NUMBERS AND REAL NUMBERS

CHAPTER 3: APPROXIMATION AND ESTIMATION

CHAPTER 4: BASIC ALGEBRA AND ALGEBRAIC MANIPULATION

CHAPTER 5: LINEAR EQUATIONS AND SIMPLE INEQUALITIES

CHAPTER 6: FUNCTIONS AND LINEAR GRAPHS

CHAPTER 7: NUMBER PATTERNS

CHAPTER 8: PERCENTAGE

SCIENCE

INTERNATIONAL SECONDARY SCIENCE 2

- Diet
- Digestion
- States of Matter
- Material Properties
- Humans
- Material Changes
- Energy Flow
- Variation and Classification

GEOGRAPHY

GLOBAL GEOGRAPHY FOR PAKISTAN BOOK 2

HAZARDOUS EARTH: EARTHQUAKES

- What are earthquakes and where do they occur?
- What happens in an earthquake?
- The 2016 New Zealand earthquake
- Plate movements in Pakistan
- The 2005 Pakistan earthquake

JAPAN: AN ISLAND NATION

- Japan: islands and mountains
- A hazardous country
- Upland and lowland Japan
- Population and land

CONSERVING THE WORLD'S OCEANS

- Our blue planet
- Amazing oceans
- Ocean resources
- Oceans under threat: overfishing
- Oceans under threat: pollution
- Conserving the oceans: sustainable fishing
- Conserving the oceans: tackling plastic pollution
- Infographics

PEOPLE EVERYWHERE

- Where do the world's people live?
- Where do people live in Pakistan?
- How fast is the world's population growing?
- What age groups make up the population?
- How does migration change the population?
- Country profile: China
- Country profile: Bangladesh
- How to read graphs to find information

THE WORLD OF WORK

- How are jobs classified?
- How do employment structures change across the world and over time?
- Case study: Chad
- Case study: Norway
- What factors affect the location of industries?
- Case study: car manufacture
- Case study: mobile phones
- What is the future of work?
- Pie charts

TOURISM BENEFITS AND COSTS

- Tourism- a growing world industry
- What is the tourist industry?
- The impact of tourism
- Florida: the world's number one tourist destination
- Case study: Walt Disney World, Florida, USA
- Winter sports and the environment
- Case study: Zermatt ski resort, Swiss Alps
- Tourism in Pakistan
- Cultural tourism
- Sustainable tourism
- National park tourism: Yellowstone National Park, USA
- Using the key to investigate regional maps

CHANGING WORLD CITIES

- The world's largest cities
- Reasons for the growth of cities
- Case study: New York City
- The growth of Pakistan's cities
- Case Study: Karachi

THE WORLD OF ICE

- Where is all the ice?
- The power of ice
- Landforms created by glacial erosion
- Antarctica- the frozen continent
- Changes in the cryosphere
- Living in the Arctic environment

HISTORY

OXFORD HISTORY FOR PAKISTAN BOOK 2

THE WORLD

- The beginnings and spread of Christianity
 - Hazrat Isa
 - The Crucifixion
 - The spread of Christianity
 - The early Church
 - Barbarian invasions
- The power of the Church and the Pope in the Middle Ages
 - The power of the Catholic Church
 - The Church's power of the rulers
 - Excommunication
 - Charlemagne and the Holy Roman Empire

- The Church in the lives of the people
 - Monasteries
- The beginnings of Islam
 - Hazrat Muhammad
 - The spread of Islam
 - Hazrat Muhammad in Madina
- The civilization of Islam- science and medicine
 - Mathematics
 - Machines
 - Geography
 - Astronomy
 - Medicine
- The civilization of Islam- the arts and building
 - Buildings
 - Gardens
 - Textiles
 - Painting
 - Literature
 - Music
- The Renaissance
 - Causes of the Renaissance
 - Effects of the Renaissance
- Renaissance building
- The art of the Renaissance
 - New ideas of Renaissance art
 - Studying bodies
 - Perspective
 - Studying nature
 - Ordinary people
- Science and technology in the Renaissance
 - Medicine
 - Astronomy
 - Mathematics
 - Technology
 - Alchemy
- The Renaissance man: Leonardo da Vinci
- The Reformation and its causes
 - Bad state of the Catholic Church
 - Church taxes
 - The power of the Pope
 - The Renaissance
 - Pardons
 - The Printing press

PAKISTAN AND THE SUBCONTINENT

- Mahmud of Ghazni
 - The Ghaznavids
 - Mahmud of Ghazni
 - Mahmud at war
 - Ghaznavid contribution to India
- The Ghauris and the Slave dynasty
 - The Sultanate of Delhi (1192-1398)
 - The Slave dynasty (1206-1290)
 - Iltutmish's successors
- The decline and fall of the Sultanate of Delhi
 - Balban (1266-1286)
 - Jalaluddin Khilji (1290-1296)
 - Alauddin Khilji (1296-1316)
 - Ghiyasuddin Tughluq (1321-1325)
 - Muhammad bin Tughlaq (1325-1351)
 - Firoz Shah (1351-1388)
 - The end of the Sultanate
- The Mongols: Chinghez and Timur
 - Chingez Khan (1196-1227)
 - Timur the Lame (1369-1405)
- The early Mughals
 - Babur (1526-1530)
 - Humayun (1530-1540)
 - Sher Shah Suri (1540-1545)
- The career of Akbar the Great
 - Early life
 - Akbar comes of age
 - Reforms and results
- Akbar's reforms
 - Army
 - Administration and justice
 - Money
 - Religion
 - Divine Faith
 - Akbar's reforms
- Jehangir and Shah Jehan
 - Jehangir (1605-1627)
 - Expanding the empire
 - Nur Jehan
 - Shah Jehan (1627-1658)
 - Mumtaz Mahal
 - Shah Jehan's religious policy
 - End of Shah Jehan's reign

- Aurangzeb's career
 - Rebellions in the east (1664-1666)
 - Rebellions in the north-west (1667-1675)
 - Wars with the Rajputs (1680-1682)
 - Aurangzeb moves southwards
 - Death of Aurangzeb (1707)
- Aurangzeb's achievements
 - Financial reforms
 - Aurangzeb's religious reforms
 - Aurangzeb's place in history
- The end of the Mughal Empire
 - Reasons for the collapse of the Mughal Empire
 - Achievements of the Mughal period
 - The beginning of the European rule
- Social life in Mughal times
 - Dress
 - Homes
 - Food
 - Entertainment

COMPUTER SCIENCE

OXFORD INTERNATIONAL LOWER SECONDARY COMPUTING BOOK 7

CHAPTER 1 THE NATURE OF TECHNOLOGY: STORING DATA

1.1 Digital data

1.2 Reading binary numbers

1.3 Adding in binary

1.4 Decimal to binary

1.5 Digital text and numbers

CHAPTER 2 DIGITAL LITERACY: STAYING SAFE ONLINE

2.1 Collecting data online

2.2 Danger online

2.3 Protect your computer

2.4 Cyberbullying

2.5 Use content responsibly

2.6 Giving credit

CHAPTER 3 COMPUTATIONAL THINKING: PROGRAMMING LANGUAGES

- 3.1 Make a simple calculator
- 3.5 Choose a language
- 3.6 Source code and machine code

CHAPTER 4: PROGRAMMING: IT ALL ADDS UP

- 4.1 Logical tests and choice
- 4.3 Conditional Loop
- 4.6 Readable and user friendly

CHAPTER 5 MUTIMEDIA: MAKE A PODCAST

- 5.1 Plan a podcast
- 5.2 Digital audio recording
- 5.3 Record your podcast

CHAPTER 6 NUMBERS AND DATA: BUSINESS DATA TABLE

- 6.1 Collect product data
- 6.2 Records and fields
- 6.3 Data types and formats
- 6.4 Calculations
- 6.5 Show bad data
- 6.6 Block bad data
- 6.7 Block bad input

ROBOTICS

MINDSTORMS EV3

LEVEL 1

- Introduction to EV3
- Construction of basic robot
- Robot mobility and programming
- Use of sensors

LEVEL 2

- Construction of complex robots
- Maneuvering IR and Bluetooth control

LEVEL 3

- Concept of extension in robots
- Introduction to advanced operations and function blocks
- Complex programming

ART & DESIGN

- Colour value tints (primary colours light to dark)
- Basic forms of drawing and shading through lines
- Observational drawing of household items
- Pop art inspired by Andy Warhol
- Still life
- Op art (optical illusion)
- Painting on newspaper
- Pointillism
- Cross stitch painting
- 3D boxes
- Mixed media drawing
- Portrait study
- Popsicle stick craftwork
- Shading techniques (stippling, hatching, cross hatching, blending, scribbling, smudging)
- Perspective drawing
- Landscape painting

ART HISTORY

Students will research information on the life and works of PABLO PICASSO (cubism). They will prepare works of art based on their understanding of the artist, his time and place in history, and his works.