

ENGLISH

English Grade 9 Contents:

- Hazrat Muhammad: A Mercy For All Creation.
- The Art Of Muslim Women Entrepreneurship.
- Modern World And Age Of Digital Globalization.
- Nothing Is Impossible-The Construction Of Spectacular Brooklyn Bridge.
- 5 Of Jeff's Benzo's Best Lessons For Success From His 27 Year As Amazon Ceo
- Say No To Drugs.
- Mowing By Robert Frost.
- The Eagle By Alfred Tennyson (Poem).
- Travel And Tourism.
- Two Mothers Remembered By Joan Snow Duncanson.
- The Metamorphosis.
- Healthy Lifestyle.

English Grade 11 Contents:

- Family Issues In Pakistan.
- Shooting Stars.
- The Wind (Poem).
- Butterflies (Short Stories).
- Clean Water And Sanitation
- The Darkling Thrush Poem.
- World Heritage Sites In Pakistan.
- Social Media: A Blessing Or A Curse?
- Sunshine After Rain (Poem).
- The Small Women (Biography).
- The Three Questions.
- Break Break Break(Poem).
- Blow, Blow ,Thou (Poem).
- Choice Of A Profession.
- The Ninny
- Fourteen (One- Act Play).
- The Last Leaf (Short Story).
- The Necklace (Short Story).

PHYSICS

Physics Grade 9 Contents:

- Physical Quantities And Measurements.
- Kinematics.
- Dynamics-I.
- Dynamics-Ii.
- Pressure And Deformation In Solids.
- Work And Energy.
- Density And Temperature.
- Magnetism.
- Nature Of Science And Physics.

Physics Grade 11 Contents:

- Physical Quantities And measurement.
- Vectors.
- Translatory Motion.
- Rotational And Circular Motion.
- Work And Energy.
- Fluid Mechanics.
- Deformation Of Solids.
- Heat And Thermodynamics.
- Waves.
- Electrostatics.
- Electricity.
- Electromagnetism.
- Relativity.
- Particle Physics.

CHEMISTRY

Chemistry Grade 9 Contents:

- Nature and science in chemistry.
- Matter.
- Atomic structure.
- Periodic table and periodicity of properties.
- Chemical bonding.
- Stoichiometry.
- Electrochemistry.
- Energetics.
- Chemical equilibrium.
- Acids , Bases and salts.
- Environmental chemistry : Air.
- Environmental chemistry : Water.
- Organic chemistry.
- Hydrocarbons.
- Biochemistry.
- Empirical data collection and analysis.
- Separation techniques.
- Qualitative analysis.

Chemistry Grade 11 Contents:

- Nature and science in chemistry.
- Atomic structure.
- Chemical bonding.
- Stoichiometry.
- States and phases of matter.
- Energetics.
- Chemical kinetics.
- Chemical equilibrium.
- Acids- Bases chemistry.
- Periodic Table.
- Nitrogen and sulphur .
- Environmental chemistry-Air.
- Environmental chemistry : Water.
- Organic chemistry.
- Hydrocarbons.
- Halogenoalkanes.
- Alcohol.
- Carbonyl compounds.
- Nitrogen compounds- Amines.
- Organic synthesis.
- Energy

BIOLOGY

Biology Grade 9 Contents:

- The science of biology.
- Biodiversity.
- The cell.
- Cell cycle.
- Tissues, organs and organ systems.
- Molecular biology.
- Metabolism.
- Plant physiology.
- Plant reproduction.
- Evolution.

Biology Grade 11 Contents:

- Cell and sub-cellular organelles.
- Biological molecules.
- Enzymes.
- Bioenergetics.
- A cellular life.
- Prokaryotes.
- Protists and fungi.
- Kingdom plantae.
- Diversity in plant function.
- Animalia.
- Reproduction.
- Inheritance.
- Chromosomes and DNA.
- Evolution.
- Ecology.

MATHMEMATICS

Mathematics Grade 9 Contents:

- Real Numbers.
- Logarithms.
- Sets And Relations.
- Factorization And Algebraic Manipulation.
- Linear Equations And Inequalities.
- Coordinate Geometry.
- Geometry Of Straight Lines.
- Geometry And Polygons.
- Practical Geometry.
- Trigonometry And Bearing.
- Basic Statistics.

Mathematics Grade 11 Contents:

- Complex Numbers.
- Matrices And Determinants.
- Vectors.
- Sequences And Series.
- Polynomials.
- Permutations,And Combinations.
- Mathematical Induction And Binomial Theorem.
- Fundamentals Of Trigonometry.
- Trigonometric Functions.

COMPUTER SCIENCE

Computer Science Grade 9 Contents:

- Computer Systems.
- Computational Thinking And Algorithms.
- Programming Fundamentals.
- Data And Analysis.
- Application Of Computer Science.
- Impacts Of Computing.
- Entrepreneurship.

Computer Science Grade 11 Contents:

- Computer Systems.
- Computational Thinking And Algorithms.
- Programming Fundamentals.
- Data And Analysis.
- Application Of Computer Science.
- Impacts Of Computing.
- Digital Literacy.
- Entrepreneurship In Digital Age.