



MAGIS 2022/1

Syllabus for Grade 6

Designed as an objective and fair method of assessing academic achievement of students through computerized scoring, MAGIS serves as a standardized and transparent admission test for Pak-Turk Maarif International Schools and Colleges.

English Language:

- Grammar, Vocabulary, and Punctuation
- Inferential
- Analytical
- Identification

Mathematics:

- Whole numbers, HCF and LCM, Four operations, Estimation
- Fractions, Decimals, Percentage, Ratio, Rate, Speed, Time, Patterns

Geometry and Measurement:

- Conversion of units of measurement (length, mass, capacity)
- Triangles (equilateral, isosceles, scalene, acute, obtuse, right)
- Quadrilaterals (square, rectangle, parallelogram, rhombus, trapezium, kite)
- Perimeter and area of figures made up of squares, rectangles and triangles
- Angles (acute, obtuse, right, straight, reflex, adjacent, complementary, supplementary)
- Symmetry
- 2D and 3D Shapes
- Volume of cubes and cuboid

Statistics

- Average
- Carrol diagram
- Picturegraph
- Bargraph
- Line graph
- Pie chart

Science and Social Science:

- Habitat /Adaptation
- Light and Shadows /Eclipse
- Forces
- Electric circuit and electricity
- Sound
- Magnets and springs
- Solubility /Mixtures
- Reversible, Irreversible and Reactions
- Microorganisms/Decomposition
- Food and health

Social Studies

- People of Pakistan
- Mesopotamia civilization
- Greek civilization
- Weather and climate
- Longitude and latitude
- Maps and direction

اسلامیات :-

- ارکان اسلام
- سیرت طیبہ
- اخلاق و آداب

اردو:

- اردو ادب و زبان
- تفہیمی پیرا گراف (عبارت پڑھ کے درست جواب کی نشاندہی)
- زبان شناسی (الفاظ متضاد، واحد جمع، مذکر مؤنث، فاعل، مفعول، زمانے، محاورات، علامات، اعراب، املا کی درستگی، جملے کی درستگی، قافیہ، ردیف)



MAGIS 2022/1

Syllabus for Grade 9

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English:

- Tenses (conversion and identification of tenses)
- Correct usage of parts of speech in a sentence
- Vocabulary (synonyms, antonyms, one word replacement)
- Punctuation
- Formal and informal letter
- Idioms and identifying the correct meaning of an idiom
- Homophones/homonyms
- Change in voice
- Change in direct-indirect narration
- Unseen comprehensions and MCQs relevant to comprehensions

Mathematics:

- Sets
- Basic algebra, factorisation of algebraic expressions
- Solving linear simultaneous equations
- DMAS
- Finding out profit or loss percentage using data and word problems
- Ratio and proportion
- Angles and types of angles
- Basic geometry, perimeter, volume, and areas of triangles squares and rectangle
- Surface area of cube, cuboid, sphere and rhombus
- Statistical approach like frequency, means, mode and medium etc.

Science:

- Characteristics of life
- Cell and cellular organelles
- Photosynthesis
- Respiration
- Basics of reproduction in plants and in animals
- Basics of human organs and systems
- Nutrients and nutrition
- Structure of an atom
- Matter and its types
- Environmental science, global warming and pollution
- Physical vs chemical changes
- Chemical reactions and types of chemical reactions, exothermic and endothermic reactions, balancing of chemical equations
- SI units and interconversion of units
- Force and pressure
- Heat energy (sources and effects)
- Lenses
- Basics of electricity and magnetism

Social Studies:

- Basics of maps
- General knowledge relevant to history of Pakistan
- Basics of geography relevant to Rivers, topography, climate and natural regions of Pakistan
- Oceans and Seas
- Environmental problems
- Neighbouring regions of Pakistan
- Various seasons, rainfall and causes in Pakistan
- Crops and agriculture practices in Pakistan

Islamiyat:

- General knowledge relevant to each pillars of Islam and believes of Islam
- Basics of The Holy Quran and Sunnah
- The life of The Holy Prophet ﷺ and lives of Khulfa-e-Raishdeen
- Islam and practices in daily life relevant to Islam

اُردو:

قواعد: اسم، فعل، حرف اور انکی اقسام، حرفِ نحو، فعل، فاعل، اور مفعول، محاورے اور ان کا جملوں میں استعمال، الفاظ متضاد، تزکیر و تائیس، واحد جمع، درست و غلط فقرات، درست الفاظ کی نشاندہی، الفاظ مترادف، سالبے اور لائقے، اعراب اور تنہیم۔