



SAGAR INTERNATIONAL
SCHOOL

2026 - 27 ENTRANCE EXAMINATION SYLLABUS

SYLLABUS - MATRIC

GRADE 6 TO 7		
ENGLISH	<ul style="list-style-type: none">• READING COMPREHENSION• GRAMMAR - SYNONYMS, SUBJECT AND PREDICATE, PREFIX / SUFFIX (TO MAKE OPP. WORDS), ADVERBS, ADJECTIVE, KINDS OF SENTENCES• FORMAL LETTERS, PARAGRAPH WRITING (WITH THE GIVEN HINTS)	20 marks
TAMIL	<ul style="list-style-type: none">• திருக்குறள்• பத்தி படித்து விடையளி• படம் பார்த்து விடையளி• வருணித்து எழுதுக• தமிழ் எழுத்துகளின் வகையும் தொகையும்• முதல் எழுத்துகள்• சார்பு எழுத்துகள்• இனவெழுத்துகள்• கடிதம்	20 marks
MATH	<ul style="list-style-type: none">• FORMATION OF LARGE NUMBERS -PLACE VALUE - COMPARISON OF NUMBERS - USE OF LARGE NUMBERS IN DAILY LIFE SITUATIONS - ORDER OF OPERATIONS -ESTIMATION OF NUMBERS - WHOLE NUMBERS -PROPERTIES OF WHOLE NUMBERS• INTRODUCTION TO ALGEBRA- PATTERNS - UNDERSTANDING OPERATIONS ON VARIABLES - FRAMING ALGEBRAIC STATEMENTS• RATIO AND PROPORTION -RATIO - PROPORTION -UNITARY METHOD• GEOMETRY-DESCRIBING LINES - ANGLES - POINTS AND LINES• STATISTICS• DATA -PICTOGRAPH -BAR GRAPH	20 marks

GRADE 6 TO 7

SCIENCE

- **MEASUREMENTS**

PHYSICAL QUANTITIES (LENGTH, MASS & TIME- UNITS AND SUB-UNITS) ZERO ERROR, PARALLAX ERROR, MEASURING TOOLS, PROBLEMS BASED ON CONVERSION OF UNITS.

- **FORCE AND MOTION**

FORCES- EFFECTS AND APPLICATIONS , MOTION & ITS TYPES, SPEED - UNIT, UNIFORM AND NON-UNIFORM MOTION, COMPUTE TIME, DISTANCE AND SPEED

- **MATTER AROUND US**

PHYSICAL NATURE OF MATTER, MASS, SHAPE AND VOLUME OF SOLIDS, LIQUIDS AND GASES, DIFFUSION, COMPRESSIBILITY OF GASES COMPARED TO LIQUIDS AND SOLIDS , PURE SUBSTANCES AND MIXTURES , SEPARATION OF MIXTURES, FOOD ADULTERATION

- **CHANGES AROUND US**

CLASSIFICATION OF CHANGES

- **THE WORLD OF PLANTS**

ROOT SYSTEM, SHOOT SYSTEM, FUNCTIONS OF STEM, LEAVES, TYPES OF HABITAT, PLANT ADAPTATIONS AND MODIFICATIONS

- **THE WORLD OF ANIMALS**

BIODIVERSITY, HABITAT, UNICELLULAR AND MULTI CELLULAR ORGANISMS, ADAPTATION IN ANIMALS

- **HEALTH AND HYGIENE**

COMPONENTS OF FOOD, NUTRIENTS AND THEIR IMPORTANCE, BALANCED DIET, MALNUTRITION, PHYSICAL EXERCISE, PERSONAL CLEANLINESS

- **HEAT**

SOURCES OF HEAT, HEAT, HOT AND COLD OBJECTS, TEMPERATURE, HEAT AND TEMPERATURE, FLOW OF HEAT, THERMAL CONTACT AND THERMAL EQUILIBRIUM, EXPANSION IN SOLIDS, LINEAR AND CUBICAL EXPANSION, THERMAL EXPANSION, USES OF THERMAL EXPANSION, NUMERICAL PROBLEMS

20 marks