**SCIENCE**

GRADE 6, 7 & 8

BOOK: NEW YORK STATE GRADE 8 - SCIENCE TEST (BARRON’S)

(By: Vijay Patel)

**2015 – 2016: CURRICULUM**

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| **SEPT 2015**  26th – Introduction | **OCT 2015**  **UNIT I –ANALYSIS, INQUIRY AND DESIGN**  3rd- **Math Analysis**: a) Language of Math/Variable / b) Inductive and deductive reasoning c) Interpolation and Extrapolation  10th - **Math Analysis**: d) Constructing Data Tables/ Charts / Graphs e) Scientific Diagrams  17th – **Scientific Inquiry**: a) Thinking like a scientist/ Observing/Collecting information/  Organizing Information/ Questioning  24th – **Scientific Inquiry**: f) Formulating Hypothesis/ Testing Hypothesis/ Controlling Test/ Reporting Results / Forming Laws and theories.  31st – – **Engineering & Design**  \*\*\*\*\* (Halloween Weekend) \*\*\*\*\*\* |

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| **NOV 2015**  7th – REVIEW & DISCUSSION  14th - TEST 1 [UNIT 1]  21st – TEST DISCUSSION  **UNIT 2 –THE LIVING ENVOIREMENT**  28th - **The Unity & Diversion of Life:**  a)Concepts of Life/ Unity of Life/Life functions/ Cells  \*\*\*\*\* (Thanks giving weekend) \*\*\*\*\*\* | **DEC 2015**  5th – **The Unity & Diversion of Life:** e) Needs of living tings/ Diversity of life/ Classification  \*\*\*\*\* (Christmas weekend) \*\*\*\*\*\*  12th - **Levels of** **Organization in Living Things:** a) Levels of organization in living things/ Cells/ Tissues/ Organs/ Organ System  19th- **Levels of** **Organization in Living Things:** a) Skeletal System  28th – **Levels of** **Organization in Living Things:** b) Muscular System |
| **JAN 2016**  2nd – **Levels of** **Organization in Living Things:** c) Nervous System  9th – **Levels of** **Organization in Living Things:** d) Endocrine System  16th – **Levels of** **Organization in Living Things:** e) Digestive System  23rd – **Levels of** **Organization in Living Things:** f) Circulatory System  30th - **Levels of** **Organization in Living Things:** g) Respiratory System | **FEB 2016**  6th – **Levels of** **Organization in Living Things:** h) Excretory System  13th – **Levels of** **Organization in Living Things:** i) Human Reproductive System  20th - **Levels of** **Organization in Living Things:** j) Disease  27th - REVIEW & DISCUSSION |

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| **MAR 2016**  5th – TEST 2 [UNIT @ - Chap 4 &5]  12th – TEST DISCUSSION  19th – **The Maintenance of Life**  26th - **The Continuity of Life** | **APR 2016**  2nd - **The Evolution & Diversity of Life**  9th – **Ecology**  16th – **Nature of Ecosystem**  **UNIT 3 –PHYSICAL SETTING**  23rd – **Astronomy**  30th – **Astronomy** |
| **MAY 2016**  7th – **Geology**  14th – **Meteorology**  21st – **Chemistry**  28th – **Chemistry** | **JUNE 2016**  4th – **Energy & Motion, Forces, Machines**  11th – TEST 4  18th - TEST 5 : Final Test  25th - TEST DISCUSSION |

**JULY – SEPT: (School Holidays)**

* CPR
* Any Project