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| Indian School Al Wadi Al Kabir - Syllabus break up for  **APRIL 2019 – SCIENCE** | | | | | |
| **CLASS 9**  **SCIENCE** | **WEEK 1**  **April 1-5** | **WEEK2**  **April 7-11**  **3 Periods** | **WEEK3**  **April 14 -18**  **3 Periods** | **WEEK4**  **April 22-25**  **3 Periods** | **Week 5**  **April 28-30**  **2 period** |
| **PHYSICS** |  | Chapter1  Sound  Introduction  Production of sound.  Propagation of sound  Sound requires a medium for propagation | Longitudinal and transverse wave  Characteristics of wave. | Speed of sound.  Relation between frequency and time period.  Relation between frequency velocity and wavelength.  Numerical.Echo | Reverberation  Numerical practice |
| **CHEMISTRY** |  | Chapter: Matter in our surroundings  Introduction Characteristics of particles of matter | States of matter-comparison | Interconversions of states of matter  Sublimation | Evaporation  Factors affecting evaporation |
| **BIOLOGY** |  | Chapter: The fundamental unit of life - Introduction  Cell,Cell membrane. | Cell wall, Nucleus  Organelles  E. R. Golgi complex  Lysosomes, | Mitochondrion, plastids, vacuoles, Prokaryotic and eukaryotic comparison | Plant cell and Animal cell  Preparation of stained temporary mounts |
| **Practical:**P1. Reflection of sound.C1.Boiling point and melting point  P 2. Velocity of pulse.B1.Preparation of stained temporary mounts of (a) onion peel, (b) human cheek cells | | | | | |

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| Indian School Al Wadi Al Kabir - Syllabus break up for  **MAY 2019 – SCIENCE** | | | | | |
| **CLASS 9**  **SCIENCE** | WEEK1  May 1- 2  1 periods | WEEK2  May 5-9  3 Periods | WEEK3  May 12 – 16  3 periods | WEEK4  May 19 -23  3 periods | WEEK 5  May 26 -30 |
| **PHYSICS** | Audible, ultrasonic and infrasonic sounds | Sonar, Structure of human ear, Worksheet discussion | **Chapter 2Motion**  Introduction | Distance and displacementUniform and Non uniform motionSpeed and average speed. | Numerical.  Velocity |
| **CHEMISTRY** | Worksheet discussion | Chapter:Is matter around us pure?  Introduction - Pure substances-Elements,  Compounds&Mixtures.  Mixtures-Types  Solution-Properties | -Solubility  -Concentrations  Suspension  -Properties  Colloids-Properties | -TypesSeparation Techniques  -Evaporation  -Sublimation | -Centrifugation  -Separation funnel |
| **BIOLOGY** | Worksheet discussion | Chapter: Tissues  Plant tissues-Meristems,Permanent tissues-Simple permanent: Parenchyma, | Collenchyma, Sclerenchyma, epidermis | Complex permanent tissue –  Xylem  Phloem | PRACTICALS –Plant tissues slide identification |
|  | | | **PREMID TERM** | | |
| **PRACTICALS:**C2.Mixture & compound  C3.Solution,Suspension &Colloids, B2 PRACTICALS - Plant tissues slide identification | | | | | |
| **SUMMER BREAK (From 02.06.19 to 30.07.19)** | | | | | |

PREPARED BY MR. GERARD & TEAM HOD -SCIENCE