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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** |  | Chapter1SoundIntroductionProduction of sound.Propagation of soundSound requires a medium for propagation | Longitudinal and transverse waveCharacteristics of wave. | Speed of sound.Relation between frequency and time period.Relation between frequency velocity and wavelength.Numerical.Echo | ReverberationNumerical practice |
| **CHEMISTRY** |  | Chapter: Matter in our surroundingsIntroduction Characteristics of particles of matter | States of matter-comparison | Interconversions of states of matterSublimation | EvaporationFactors affecting evaporation |
| **BIOLOGY** |  | Chapter: The fundamental unit of life - IntroductionCell,Cell membrane. | Cell wall, NucleusOrganellesE. R. Golgi complexLysosomes, | 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 pointP 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** | WEEK1May 1- 21 periods | WEEK2May 5-93 Periods | WEEK3May 12 – 163 periods | WEEK4May 19 -233 periods | WEEK 5May 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-TypesSolution-Properties | -Solubility-ConcentrationsSuspension-PropertiesColloids-Properties | -TypesSeparation Techniques-Evaporation-Sublimation | -Centrifugation-Separation funnel |
| **BIOLOGY** | Worksheet discussion | Chapter: TissuesPlant 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