**INDIAN SCHOOL AL WADI AL KABIR**

**DEPARTMENT OF SCIENCE 2016-17**

**WEEKLY PLAN- CLASS-7**

Indian School Al Wadi Al Kabir - Syllabus break up for August 2016

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| **Class**  | **Week1** **1 to 4 (4)** | **Week2** **7 to 11 (6)** | **Week3** **14 to 18 (4)** | **Week4** **21 to 25(4)** | **Week 5****28 to 31 and sept 1(6)** |
| CLASS 7 SCIENCE | **Water-OTBA****Acids,bases and salts-(Only word equations)****Introduction, Acids, Types of acids, Properties of acids, Uses of acids, Bases.** | **Acids,bases and salts (contd.) Types of bases, Properties of bases, Uses of bases, Indicators.** | **Acids,bases and salts(contd.)****Salts, Properties of salts, uses of salt, neutralization.****Text book exercises and worksheet****Respiration in organisms- Introduction, Steps of respiration, Respiration in humans,**  | **Respiration in organisms (contd..)Mechanism of breathing, Composition of inhaled and exhaled air, Cellular respiration, types of respiration-aerobic and anaerobic respiration. Differences between aerobic and anaerobic respiration** | **Respiration in organisms(contd.)****How do other animals breathe?Respiration through skin, air holes, gills, lungs.****Respiration in plants.** |

Indian School Al Wadi Al Kabir - Syllabus break up for September2016

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| **Class**  | **Week1** Sept-1 (1) | **Week2** **4 to 8 (6)** | **Week3** **11 to 15** | **Week4** **18 to 22** | Week 525 to 29 |
| Class 7SCIENCE | **Respiration in organisms(contd.)****Text book exercises and worksheet** | **REVISION FOR** **SA-1** | **SA-1** | **SA-1** | **SA-1** |

Indian School Al Wadi Al Kabir - Syllabus break up for 0CTOBER 2016

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| **Class**  | **Week 2****2 TO 6(5)** | **Week 3****9 to 13 (5)** | **Week 4****16 to 20 (6)** | **Week 5****23 to 27(6)** | **Week 6****30 and 31(2)** |
| Class 7SCIENCE | **Transportation and excretion****Introduction, Circulatory system in humans, Blood, Human heart, Functioning of heart.** | **Transportation and excretion****(conti….)****Heart beat and pulse, Excretion, Excretion in animals,****Excretion in humans, Sweating. Transportation in plants.** | **Transportation and excretion (Contd.)****Transportation of water and minerals in plants, Transportation of food, Transpiration****Text book exercises and worksheet Weather climate and animal adaptations****(hand out)** | **Physical and Chemical changes-****(Only word equations)****Introduction, Physical changes, chemical changes Characteristics of a physical change and chemical change, Characteristics of chemical reaction.****Rusting of iron,** |  **DEEPAVALI AND NEW YEAR HOLIDAYS** |

Indian School Al Wadi Al Kabir - Syllabus break up for November 2016

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| **Class**  | **Week1** **1 to 3 (3)** | **Week2** **6 to 10(6)** | **Week3** **13 to 17 (6)** | **Week4** **20 to 24 (6)** | **Week 5****27 to 30 (3)** |
| Class 7SCIENCE | **Physical and Chemical changes-(contd.) browning of vegetables, reaction between vinegar and baking soda, displacement reaction****Crystallization and decomposition.****Text book Exercises and worksheet** | **Electric current and Simple circuits-Introduction, Electric circuit, Components of electric circuit, effects of electric current, heating effect of electric current, Electric fuse,**  | **Electric current and Simple circuits (contd..)****Magnetic effect of electric current, electromagnet, Uses of electromagnets****Text book exercises and worksheet****Soil-A natural resource** **( Handout)** | **Reproduction in plants-Introduction, Asexual mode of reproduction-Spore formation, fragmentation, Budding, Vegetative propagation** | **Reproduction in plants-****Artificial vegetative propagation-Cutting, grafting, layering and tissue culture, Advantages of vegetative propagation, sexual mode of reproduction, agents of pollination** |

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|  | **Week 2** **4 to 8 (6)** | **Week 3** **11 to 15 (5)** | **Week 4****18 to 20 (3)**  | **Week 5** |
| Class 7SCIENCE | **Reproduction in plants-****Fertilisation, Seed dispersal and agents for seed dispersal germination of seeds****Text book Exercises and worksheet** | **Wind and storm-****Introduction, wind, air pressure, air current, characteristics of wind, thunderstorm.** | **Wind and storm (conti…)****Safety measures to be followed during a storm or a cyclone.****Text book Exercises and worksheet** | **WINTER VACATION** |

Indian School Al Wadi Al Kabir - Syllabus break up for December 2016

Indian School Al Wadi Al Kabir - Syllabus break up for January-2017

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| **Class**  | **Week1**  | **Week2**  | **Week3** **15 TO 19 (5)** | **Week4** 22 TO 26 (4) | **Week 5****29 TO 31 (3)** |
| Class 7SCIENCE | **WINTER****HOLIDAYS** | **WINTER****HOLIDAYS** | **AnimalFibres****(HAND OUT)** | **FOREST AND THEIR CONSERVATION -****PowerPoint by students.****LIGHT AND ASSOCIATED PHENOMENA-****Introduction, Rectilinear propagation of light, reflection of light.** | **LIGHT AND ASSOCIATED PHENOMENA-****(Conti…)****Plane mirror, Terms used in reflection of light, laws of reflection, real and virtual image.** |

Indian School Al Wadi Al Kabir - Syllabus break up for February-2017

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| **Class**  | **Week1** **1 to 2 (2)** | **Week2** **5 to 9 (6)** | **Week3** **12 to 16(6)** | **Week4** 19 to 23 (6) | **Week 5****26 to 28(3)** |
| Class 7SCIENCE | **LIGHT AND ASSOCIATED PHENOMENA-****(Conti…)****Spherical or curved mirrors, Practical uses of curved mirrors, Lenses,**  | **LIGHT AND ASSOCIATED PHENOMENA-****(Conti…)****Image formation in the eye,** **Splitting of white light.****Text book Exercises and worksheet** | **Revision SA 2** | **Revision SA 2** | **Revision SA 2** |

Indian School Al Wadi Al Kabir - Syllabus break up for March -2017

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| **Class**  | **Week1**  | **Week2**  | **Week3**  | **Week4**  | **Week 5** |
| Class 7SCIENCE | **SA 2 Exam** | **SA 2 Exam** | **SA 2 Exam** | **SA 2 Exam** |  |