**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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Class** | **Week1**  Sept-1 (1) | **Week2**  **4 to 8 (6)** | **Week3**  **11 to 15** | **Week4**  **18 to 22** | Week 5  25 to 29 |
| Class 7  SCIENCE | **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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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 7  SCIENCE | **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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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 7  SCIENCE | **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** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Week 2**  **4 to 8 (6)** | **Week 3**  **11 to 15 (5)** | **Week 4**  **18 to 20 (3)** | **Week 5** |
| Class 7  SCIENCE | **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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Class** | **Week1** | **Week2** | **Week3**  **15 TO 19 (5)** | **Week4**  22 TO 26 (4) | **Week 5**  **29 TO 31 (3)** |
| Class 7  SCIENCE | **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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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 7  SCIENCE | **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

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