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| **WEEKLY PLAN** | | | | | |
| **APRIL 2018** | | | | | |
| **CLASS 10**  **SCIENCE** | I WEEK | II WEEK | III WEEK | IV WEEK | V WEEK |
| **DATE/ INSTRUCTION PERIODS** | **4&5**  (1) | **8-12**  **(3)** | **15 - 19**  **(3)** | **22 -26**  **(2)** | **29&30**  **(1)** |
| **PHYSICS** | .**CH-LIGHT- REFLECTION AND REFRACTION.**  Introduction.  Reflection by plane mirror. Virtual and real images.  Characteristics of image formed by a plane mirror.  Spherical mirrors | Characteristics of image formed by a plane mirror.  Spherical mirrors  Reflection of light by curved surfaces. Spherical mirrors.  Terms associated with spherical mirrors.  Principal focus of concave and convex mirrors . | Image formation by spherical mirrors.  Ray diagrams  Ray diagrams for the image formation by concave and Convex mirrors. | Uses of concave and convex mirrors.  Sign convention for reflection by spherical mirrors. Mirror Formula and Magnification. .Numerical. | Numerical. |
| **CHEMISTRY** | .  CHAPTER 1: CHEMICAL REACTIONS AND EQUATIONS   * Physical and chemical changes | * Chemical equations – Balancing | * Types of Reactions | * Types of Reactions | * Worksheet discussion |
| **BIOLOGY** | **LIFE PROCESSES**  -Introduction  **Nutrition** –Types | Photosynthesis | Heterotrophic-Types  Nutrition -amoeba | Nutrition-Humans  **Respiration**  **-** Aerobic & Anaerobic respiration | Respiration in Fish |
| **PRACTICALS** | 1. Temporary mount of leaf peel to show stomata 2. CO2 is given out during respiration. 3. Types of reactions | | | | |

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| WEEKLY PLAN | | | | | |
| MAY 2018 | | | | | |
| **CLASS 10**  **SCIENCE** | I WEEK | II WEEK | III WEEK | IV WEEK | V WEEK |
| **DATE/ INSTRUCTION PERIODS** | **1-3**  (3) | **6 - 10**  **(3)** | **13-17**  **(3)** | **20- 24**  **(3)** | 27-31 |
| **PHYSICS** | Mirror Formula and Magnification.  Numerical  Refraction of light.  Refraction of light through glass slab  Laws of refraction.  The refractive index. | Numerical.  Refraction by spherical lenses. Principal focus of convex and concave lens. Image formation by lenses. | Image formation by lenses.Ray diagrams for the  Image formation by Convex and concave lenses.  PRE MID TERM begins. | Lens formula and magnification.  Numerical.  Power of the lens  Pract - the focal length of concave mirror and convex lens.  Numerical  PRE MID TERM | Exercise and worksheet.  PRE MID TERM ends  Summer vacation begins. |
| **CHEMISTRY** | CHAPTER 2: ACIDS AND BASES   * Introduction * Chemical properties of Acids and Bases * Reactions of metallic and non-metallic oxides . | * Common factor in acids and bases. * Strength of acids and bases | * pH * Importance of pH in everyday life | * Salts * Family of salts * pH of salts | * Chemicals from common salt |
| **BIOLOGY** | Respiration-Humans | **Transportation**  -In plants  :Ascend of sap | :Translocation  Transportation  Humans  :Blood | Heart  :double circulation  Lymphatic system | **Excretion**  -In plants  -In humans  :Excretory system |
|  | | | **PREMID TERM EXAMINATION** | | |
| **PRACTICAL** | 1. Properties of Acids and Bases 2. pH of the solution 3. Mirror And lens experiments | | | | |
| **SUMMER BREAK (From 03.06.18 to 31.07.18)** | | | | | |