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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 mirrorsReflection 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 diagramsRay 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
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| **BIOLOGY**  | **LIFE PROCESSES**-Introduction**Nutrition** –Types | Photosynthesis | Heterotrophic-TypesNutrition -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 lensPract - the focal length of concave mirror and convex lens.NumericalPRE MID TERM  | Exercise and worksheet.PRE MID TERM endsSummer 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
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| **BIOLOGY** | Respiration-Humans | **Transportation**-In plants:Ascend of sap | :TranslocationTransportationHumans:Blood | Heart:double circulationLymphatic 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
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| **SUMMER BREAK (From 03.06.18 to 31.07.18)** |