**Annual Plan 2017- 2018**

**9th ( Combined : IG & NIOS)**

Candidates study the following topics as per the schedule :

**JUNE**

1. **The particulate nature of matter:**

states of matter

change of state

kinetic theory (in detail),

separation techniques of mixtures

diffusion and solubility(detail)

1. **Atoms, Elements and Compounds**  ( part 1)

Chemical Bonding

Ions and ionic bonds

**JULY**

**2. Atoms, Elements and Compounds**  ( part 2)

Molecules and covalent bonds

Macro molecules

Metallic bonding

1. **The Periodic Table** ( part 1)

The Periodic Table

Group properties

Transition elements

Noble gases

**AUGUST**

**3.The Periodic Table** ( part 2)

Periodic trends

**I Term Exam / Annual Trip**

**SEPTEMBER**

1. **Stoichiometry ( part 1)**

Relative Atomic and molecular mass,

The mole concept

Percentage composition

**OCTOBER**

1. **Stoichiometry ( part 2)**

Empherical and molecular formula

Calculations based on chemical equations.

**NOVEMBER**

**5. Electro chemistry**

Redox reactions and electrolysis

**DECEMBER**

**6.Acids,bases and salts**

Different theories

pH scale and problems based on it

Salts and its types.

**JANUARY**

1. **Organic Chemistry-**

Introduction to Organic Chemistry

IUPAC nomenclature System

Isomerism

**FEBRUARY**

Revision & Practice Tests

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