

| Month / No of Working Days | Name of the Unit / Chapter/Topic | Learning Outcomes | Suggested Activities/ Projects under Internal Assessment/PRACTICALS | Assignment | Assessment |
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| APRIL | Ls-5 COAL AND PETROLEUM | <ul style="list-style-type: none"> They will be able to classify the Natural resources as exhaustible and non-exhaustible natural resources They will be able to explain the process of coal and petroleum formation and why it is known as natural resource? They will be able to classify different constituents of petroleum according to their uses in the daily life and about the products other than fuel | Make a pictorial presentation showing the various petroleum constituent of petroleum with its uses | ? | What are the advantages and disadvantages of using hydrogen as a fuel? |
| JUNE | REVISION (COAL AND PETROLEUM) | | | | |
| JULY | Ls-4 METALS AND NON - | <ul style="list-style-type: none"> They will be able to differentiate between metals and non-metals on the basis of their Physical properties. They will be able to distinguish the chemical reaction between metals and non-metals with oxygen, water, acid bases. | To show that metals are good conductors of electricity and non-metals are bad conductor of electricity. | Find out which metals are mined and extracted at different places in our country? How they are important for our economy? which metals do we import and export? | PT-1 Ls-5 COAL AND PETROLEUM |
| AUGUST | Ls-3 SYNTHETIC FIBRES AND PLASTICS METALS | <ul style="list-style-type: none"> They will be able to list the characteristics of Synthetic based fibres as rayon, nylon polyester, acrylic and explain their specific uses. They will be able to understand the disadvantages of synthetic fibres They will be able to classify Plastics on the basis of their ability to bend as (Thermoplastic, Thermosetting plastic) Students will be able to explain why plastics are threat to the environment? | To compare the water absorbing capacity of synthetic fibres to natural fibres. | Is the life possible without plastic bags. Write how will you go about doing your daily work and what substitute object you will use? | |
| SEPTEMBER | REVISION | | | | HALF YEARLY EXAM (3,4,5) |
| OCTOBER | Ls-6 COMBUSTION AND FLAME | <ul style="list-style-type: none"> Students will be able to list the commonly known inflammable substance that undergoes combustion Students will be able to explain the process of combustion and describe the role of fuel and oxygen necessary for it. They will be able to define Ignition temperature. Students will be able to differentiate the Types of combustion taking place in gas stove, bursting of crackers, burning of white phosphorus, explosion and spontaneous combustion. Students will be able to explain the different parts of Flame | To show that substance does not burns below its ignition temperature | Observe the candle flame and gas flame? What difference you can find? What could be the reason for it? Explain why the goldsmith blows outer most zone of flame to melt Gold and silver? | |

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| NOVEMBER | Ls-14 CHEMICAL EFFECTS OF ELCTRIC CURRENT | <ul style="list-style-type: none"> Students will be able to distinguish between good and poor conductors of electricity as Conductivity in solids, liquids Students will be able to describe the process of electroplating and its application of chemical effect of electric current in metals | To demonstrate the activity showing electrical conductivity of current using salt water, distil water, honey, tap water | . | Find information about the effect of electroplating industries on environment |
| DECEMBER | Ls-18 POLLUTION OF AIR AND WATER | <ul style="list-style-type: none"> Students will be able to analyse the problem of air pollution and explain why it is a threat to human beings? They will be able to reason for the discolouration of taj mahal. Air pollution They will be able to explain the effect of greenhouse gases on the planet? They will be able to describe about the various causes of water pollution and how it can be made safe for drinking. They will learn hoe reducing, reusing and recycling industrial waste help in reducing the water pollution and air pollution? | Find the reason <ul style="list-style-type: none"> What is ganga action project? Why it was launched Discolouration of Taj mahal | How water is purified in aqua- guard and RO machine. What is the main principle involved in it and what are the advantages and disadvantages of this system? | PT-2 Ls-6 Combustion and flames |
| JANUARY | REVISION | | | | |
| FEBRUARY | | | | | FINAL EXAM (Ls-6,14,18) |
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SIGNATURE OF THE SUBJECT COORDINATOR: