

**SOBTIS PUBLIC SCHOOL**  
**ANNUAL CURRICULUM AND PEDAGOGICAL PLAN**  
**SESSION 2023-2024**

**VISION:** “Our vision is to make the youth aspire, discover, redefine, innovate and become successful in life.”

**MISSION:** To develop future- geniuses with active and creative minds, a sense of understanding and compassion for humanity, and the courage to act upon their values and beliefs. We strongly believe in holistic development of each and every child spiritually, morally, intellectually, socially, emotionally and physically.

**SUBJECT: SCIENCE**

**CLASS: VIII**

| <b>MONTH</b>     | <b>NO. OF WORK-<br/>ING DAYS</b> | <b>TOPIC</b>                            | <b>AIL</b>   | <b>DESCRIPTION</b>   |
|------------------|----------------------------------|---|--|--|
| <b>APRIL</b>     | 18                               | Ch-1 Crop Production and Management     |  |  |
|                  |                                  | Ch-2 Microorganisms- Friends and Foes   |  |  |
|                  |                                  | Ch-3 Synthetic Fibres and Plastics      |  |  |
|                  |                                  | Ch-4 Materials- Metals and Non-Metals   |  |  |
| <b>MAY</b>       | 5                                | Revision                                |  |  |
| <b>JULY</b>      | 24                               | Ch-5 Coal and Petroleum                 | Mineral Resources (Subject integrated)                       | Students will learn how various minerals are extracted, about their properties and uses                      |
|                  |                                  | Ch-6 Combustion and Flame               |  |  |
|                  |                                  | Ch-7 Conservation of Plants and Animals |  |  |
| <b>AUGUST</b>    | 25                               | Ch-8 Cell- Structure and Functions      | Animal Cell (Clay modelling)                                 | Students will learn about different parts of animals cell using different colours of clay                    |
|                  |                                  | Ch-9 Reproduction in Plants             |  |  |
| <b>SEPTEMBER</b> | 5                                | Term-1 Revision                         |  |  |
| <b>OCTOBER</b>   | 22                               | Ch-10 Reaching the age of Adolescence   | To understand the factors affecting friction through surface | Rough and smooth inclined surface and 2 balls will be used to demonstrate force of friction depends upon the |
|                  |                                  | Ch-11 Force and Pressure                |  |  |
|                  |                                  | Ch-12 Friction                          |  |  |

|                 |    |   |   |   |
|-----------------|----|---|---|---|
|                 |    |   |   | nature of surfaces  |
|                 |    |   | Different games exert different types of forces (Sports integrated) | Students will learn about different types of forces being exerted while playing different games                                       |
| <b>NOVEMBER</b> | 20 | Ch-13 Sound<br>Ch-14 Chemical Effects of Electric Current | To show vegetables and fruits also conduct electricity              | A potato, iron nails, connecting wires, battery will be used to show that when current is passed continuously it conducts electricity |
| <b>DECEMBER</b> | 16 | Ch-15 Some Natural Phenomenon<br>Ch-16 Light              |   |   |
| <b>JANUARY</b>  | 18 | Ch-17 Our Universe<br>Ch-18 Pollution of Air and Water    |   |   |
| <b>FEBRUARY</b> | 12 | Term-2 Revision   |   |   |