



# **UTSAV FOUNDATION**

## **SYLLABUS SCIENCE 2025-'26**

### **(Class-5<sup>th</sup>)      MARKS - 100**

#### **Learning Objectives**

By the end of the course, students will be able to:

- Develop an understanding of the interconnection between food, health, and the human body.
- Gain knowledge about the Earth's composition, including rocks, minerals, and soil, and their significance in daily life.
- Understand the principles of work and simple machines, and how they make tasks easier.
- Explore the vastness of the universe, celestial bodies, and the fundamental principles governing them.
- Learn about India's freedom struggle, key events, and the contributions of leaders towards independence.
- Differentiate between weather and climate, and analyze the impact of climate change on the environment.
- Identify various natural disasters, their causes, effects, and strategies for disaster preparedness and mitigation.
- Understand the role of international organizations like the United Nations in maintaining global peace and development.

#### **Learning Outcomes**

By the end of this course, students will be able to:

- Understand the importance of food, nutrition, and hygiene in maintaining good health.
- Identify different nutrients and their roles in human growth and well-being.
- Explain the structure and functions of the major organ systems in the human body.
- Classify different types of rocks, minerals, and soil, and understand their formation and uses.

- Describe the concept of work, force, and energy and identify different types of simple machines and their applications.
- Explore the solar system, including planets, stars, and other celestial bodies, and understand natural phenomena like eclipses and moon phases.
- Gain awareness of India's freedom struggle, recognizing key events and leaders who contributed to independence.
- Differentiate between weather and climate and analyze their impact on the environment.
- Identify various natural disasters, their causes, effects, and safety measures for preparedness and mitigation.
- Understand the purpose and functions of the United Nations and its role in maintaining global peace and development.

#### **Chapters:**

**Chapter 1: Food and Health**

**Chapter 2: Human Body**

**Chapter 3: Rocks, Minerals, and Soil**

**Chapter 4: Work and Simple Machines**

**Chapter 5: Our Universe**

**Chapter 6: The Freedom Struggle**

**Chapter 7: Weather and Climate**

**Chapter 8: Natural Disasters**

**Chapter 9: United Nations**



# **UTSAV FOUNDATION**

## **CURRICULUM SCIENCE 2025-'26**

### **(Class-5<sup>th</sup>)      MARKS - 100**

#### **Learning Objectives**

By the end of the course, students will be able to:

- Develop an understanding of the interconnection between food, health, and the human body.
- Gain knowledge about the Earth's composition, including rocks, minerals, and soil, and their significance in daily life.
- Understand the principles of work and simple machines, and how they make tasks easier.
- Explore the vastness of the universe, celestial bodies, and the fundamental principles governing them.
- Learn about India's freedom struggle, key events, and the contributions of leaders towards independence.
- Differentiate between weather and climate, and analyze the impact of climate change on the environment.
- Identify various natural disasters, their causes, effects, and strategies for disaster preparedness and mitigation.
- Understand the role of international organizations like the United Nations in maintaining global peace and development.

#### **Learning Outcomes:**

After completing the course, students will be able to:

##### **1. Food and Health**

- Identify different nutrients and their role in a balanced diet.
- Explain the causes and prevention of common diseases.
- Understand the importance of personal hygiene and food safety.

##### **2. Human Body**

- Describe the major organ systems (digestive, respiratory, circulatory, nervous, skeletal, and muscular systems).
- Explain how different organs work together to keep the body functioning.
- **Recognize the importance of exercise and healthy habits for overall well-being.**

### **3. Rocks, Minerals, and Soil**

- Classify different types of rocks and minerals based on their characteristics.
- Understand the process of soil formation and its importance for agriculture.
- Identify the uses of various minerals in daily life.

### **4. Work and Simple Machines**

- Define work, force, and energy with real-life examples.
- Identify different types of simple machines (lever, pulley, inclined plane, etc.).
- Explain how simple machines help reduce effort in daily tasks.

### **5. Our Universe**

- Understand the concept of the solar system and identify its components.
- Explain the movements of the Earth, moon, and other celestial bodies.
- Describe phenomena like eclipses, phases of the moon, and gravity.

### **6. The Freedom Struggle**

- Recognize important events and leaders of India's independence movement.
- Understand the significance of movements like Non-Cooperation, Civil Disobedience, and Quit India.
- Appreciate the sacrifices made by freedom fighters for India's independence.

### **7. Weather and Climate**

- Differentiate between weather and climate.
- Identify the factors that affect climate and seasonal changes.
- Explain how weather forecasting is done and its importance.

### **8. Natural Disasters**

- Identify various types of natural disasters (earthquakes, floods, cyclones, etc.).
- Understand the causes and effects of natural disasters.
- Learn safety measures and disaster management strategies.

### **9. United Nations**

- Explain the formation and structure of the United Nations.
- Describe the roles of different UN agencies in global development.
- Understand India's role in the United Nations.

- **Class 5 Science - Marks Distribution**

Chapter No.	Chapter Name	Marks
1	Food and Health	10
2	Human Body	12
3	Rocks, Minerals, and Soil	10
4	Work and Simple Machines	12
5	Our Universe	10
6	The Freedom Struggle	10
7	Weather and Climate	12
8	Natural Disasters	12
9	United Nations	12
<b>Total</b>	<b>-</b>	<b>100</b>

- This marks distribution ensures a balanced evaluation across all topics, allowing students to focus on both scientific concepts and historical/global awareness.
- **Class 5 Science - Hours Distribution**

Chapter No.	Chapter Name	Hours
1	Food and Health	14
2	Human Body	16
3	Rocks, Minerals, and Soil	14
4	Work and Simple Machines	16
5	Our Universe	14
6	The Freedom Struggle	14
7	Weather and Climate	16
8	Natural Disasters	16
9	United Nations	16
<b>Total</b>	<b>-</b>	<b>120</b>

- This distribution ensures balanced instructional time for all topics, providing adequate coverage of key scientific and social studies concepts.