

# **Sustainable Development Goals**

**Pioneers Age: 14 to 18 years**

## **SDG 7: Affordable and Clean Energy**

**Intro:** Access to affordable and clean energy is essential for modern life. This goal promotes renewable energy sources like solar, wind, and hydropower to ensure a sustainable and environmentally friendly energy supply for all.

**Working Model Example: Solar Powered Car**

## **SDG 9: Industry, Innovation, and Infrastructure**

**Intro:** Sustainable industrialization, innovation, and resilient infrastructure are key to economic growth and development. This goal encourages building strong infrastructures, fostering innovation, and making industries sustainable and inclusive.

**Working Model Example: Suspension Bridge, piezoelectric tiles(Advanced age groups)**

## **SDG 11: Sustainable Cities and Communities**

**Intro:** Sustainable cities and communities are crucial for a better future. This goal aims to make cities inclusive, safe, resilient, and sustainable by promoting urban planning, sustainable transport, and green public spaces.

**Working Model Example: Eco-Friendly City Model**

## **SDG 3: Good Health and Well-Being**

**Intro:** Ensuring healthy lives and promoting well-being for all at all ages is essential to sustainable development. This goal aims to improve health services, reduce diseases, and promote healthy lifestyles.

**Working Model Example: Hand Hygiene and Germ Detection System.**

## **SDG 13: Climate Action**

**Intro:** Urgent action is needed to combat climate change and its impacts. This goal focuses on reducing greenhouse gas emissions, increasing climate resilience, and promoting climate education and awareness.

**Working Model Example: Carbon Dioxide (CO<sub>2</sub>) Monitoring and Reduction System.**