

# Presentation Plan

## 1. Choosing the Topic

Topic: Weather Satellites – Monitoring Earth from Space

Reason for choosing the topic:

The topic is related to science and space technology. It is specific and focused on weather observation. It is interesting and relevant to weather forecasting, disaster prevention, and climate studies.

## 2. Introduction

What weather satellites are

Why monitoring Earth from space is important

Purpose of the presentation

## 3. What Is a Satellite?

Definition of a satellite

Main functions of satellites

Use of satellites in weather monitoring

## 4. How Weather Satellites Work

Geostationary orbit – characteristics and use

Polar orbit – characteristics and use

Differences between the two types of orbits

## 5. History of Weather Satellites

TIROS-1 – the first operational weather satellite

GOES satellite series

Technological development over time

## 6. Measurement Systems

Visible light imaging (clouds and Earth's surface)

Infrared measurements – Earth's temperature

Monitoring water vapor in the atmosphere

## **7. Importance of Weather Satellites**

Weather forecasting

Disaster monitoring and relief

Climate change monitoring

## **8. Key Points**

Weather satellites improve forecast accuracy

They help protect people and property

They support scientific research and climate studies

## **9. Conclusion**

Summary of the main ideas

Importance of weather satellites in everyday life

Future role of satellite technology