

**SESSION : 12**

**CLASS : 5**

**SUBJECT : SOCIAL SCIENCE**

**CHAPTER NUMBER: 10**

**CHAPTER NAME : COMMUNICATION**

**SUBTOPIC : SATELLITE COMMUNICATION**

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**CHANGING YOUR TOMORROW**

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## **LEARNING OBJECTIVES**

**Enable the learner to know about:**

- **Meaning of communication.**
- **Types of communication.**
- **Importance and uses of satellite communication.**

## **RECAPITULATION**

### **Communication can be of different types:**

- **Personal Communication/communication with individuals**
- **Mass Communication**

### **MASS COMMUNICATION:**

**Mass communication refers to the transmission of information to a large number of people at the same time. It takes place through mass media and social media.**

- **Mass media**
- **Social media**

# SATELLITE COMMUNICATION

**As earth is sphere in shape sending radio and television signals around the world was a problem. So, in order to overcome this communication satellite were developed.**

# FIRST COMMUNICATION SATELLITE

Telstar 1 was a **communications satellite** launched by **NASA** on July 10, 1962, it was the satellite that allowed the first live broadcast of television images between the **United States** and **Europe**.



**TELSTAR**  
First communication satellite

# FIRST COMMUNICATION SATELLITE OF INDIA

- Ariane Passenger Payload Experiment, (APPLE) was an experimental communication satellite successfully launched by Ariane-1, from Kourou, French Guiana on June 19, 1981, exactly 35 years back, marking an important milestone in India's space programme.
- APPLE was dedicated to the Nation on August 13, 1981 by then Prime Minister Mrs.Indira Gandhi.



A geostationary satellite is an earth-orbiting satellite, placed at an altitude of approximately 35,800 kilometers directly over the equator.

## **Impact of satellites on communication**

- **Direct telecast of cricket matches and award ceremonies.**
- **Variety of television channels**
- **Functioning of internet**
- **Telephone conference calls**
- **Video conferencing**

**Satellites have made television one of the most popular means of mass communication. Thus, by ensuring that distance does not matter, modern means of communication have virtually reduced the world to a global village.**

# SUMMING UP

- Communication Satellite.
- World's first communication satellite - TELSTAR
- India's first communication satellite - APPLE

## Impact of satellites on communication

- Direct telecast of cricket matches and award ceremonies.
- Variety of television channels
- Functioning of internet
- Telephone conference calls
- Video conferencing



**TELSTAR**  
First communication satellite





## **HOMEWORK**

**Paste the picture of the first communication satellite of India and write a few points on it in the project record**



<https://quizizz.com/join?gc=1077529&from=challengeFriends>



<https://youtu.be/sBCtLU3JFhM>

# LEARNING OUTCOME:

**By the end of the class, learners will be able to know:**

- **Meaning of communication.**
- **Types of communication.**
- **Importance and uses of satellite communication.**

**THANKING YOU**  
**ODM EDUCATIONAL GROUP**