# A.1 What´s a satellite?

***Description:***

The activity helps the students to know what´s a satellite, through visual and writing activities and using ICT resources.

***Learning objectives:***

- Introduce the students to artificial satellites.
- Learn the different types of satellites.
- Be aware of their use in our daily life.

***Materials:***

We recommend that the students have computer or tablets with internet access. That will make the activity more active. But it can be made showing the video or information in a screen and working on paper.

## ➢ Introduction:

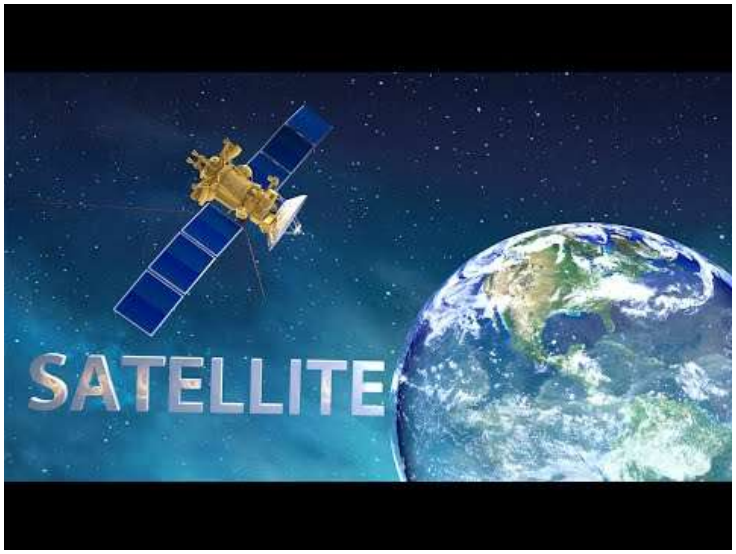
The School Satellite Project has as main objective to introduce the students to the satellites that are around us through various activities.

The first step is to know more about satellites.

## ➢ Activity 1: (Recommended Time 1 hour)

1) Watch the following video that explains different information about satellites:

*How satellites works:* https://youtu.be/n70zjMvm8L0




2) Now work in groups and design a Concept Map about the information you have seen in the video.

You have 25 minutes!!!

You can make more interesting your concept map by adding draws or images related with the concepts.

If you need information about how to make a concept map see these links:

**Introduction Video:** **https://youtu.be/sZJj6DwCqSU**

**More information:** Concept Map Tutorial: How to Create Concept Maps to Visualize Ideas (creately.com)

3) Show and explain to the rest of the class your work.

## ➢ Activity 2: (Recommended Time 1 hour)

We continue our search of the different satellites. To do your next task follow the instructions:

1) Working in groups, remember from last activity that satellites could be classify in 3 main types according to its use. So, complete the first line of the table below (Look at your concept map and watch the video from activity 1 if you need it) 5 minutes
2) Search in internet for satellites, and classify them in the next table:
(You must indicate the name, country, year of launching and navigation system)
20 minutes

| Na_____ | Com_____ | We_____ |
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3) Now Answer the next questions: 10 minutes
   a. Did you know any of the satellites you have find?
   b. If the answer is affirmative share with your groupmates where or how you knew about it.
   c. Count the satellites you have find for each classification and write it down the column.
   d. Count the satellites that belong to each of the navigation systems shown in activity 1 video.

4) Now share with the rest of the groups your answers and comment them. After that answer these questions all together.
   a. Which is the navigation system with the larger number of satellites in orbit?
   b. Which of the 3-type group (weather, nav…) have more satellites in orbit?
   c. Do you use the information provided by any of them in your daily life? Explain to the rest of the class.