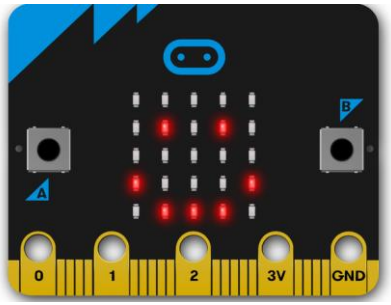
Erasmus+
Project No.: 2021-1-EL01-KA220-SCH-000023967
KA220-SCH - Cooperation partnerships in school education



Automation Engineers





Automation Engineers

Transmit Data

From the ancient times people
wanted to transfer data
in large distances.
The beacons were one of the
methods used.









Erasmus+
Project No.: 2021-1-EL01-KA220-SCH-000023967
Call 2021 Round 1 KA2
KA220-SCH - Cooperation partnerships in school education
STEM Education for Primary Schools
STEM for Youngsters

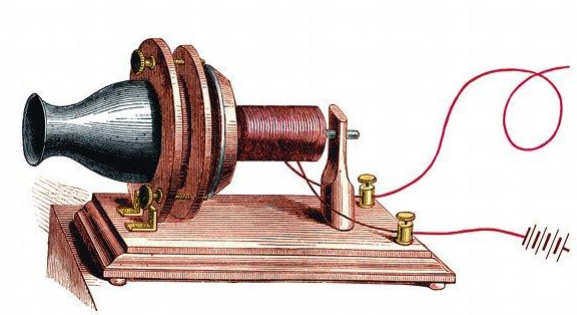
Automation Engineers

Transmit Data

With the advancement of technology
and scientific discoveries,
it became possible to transmit
messages by the telephone
and the telegraph.









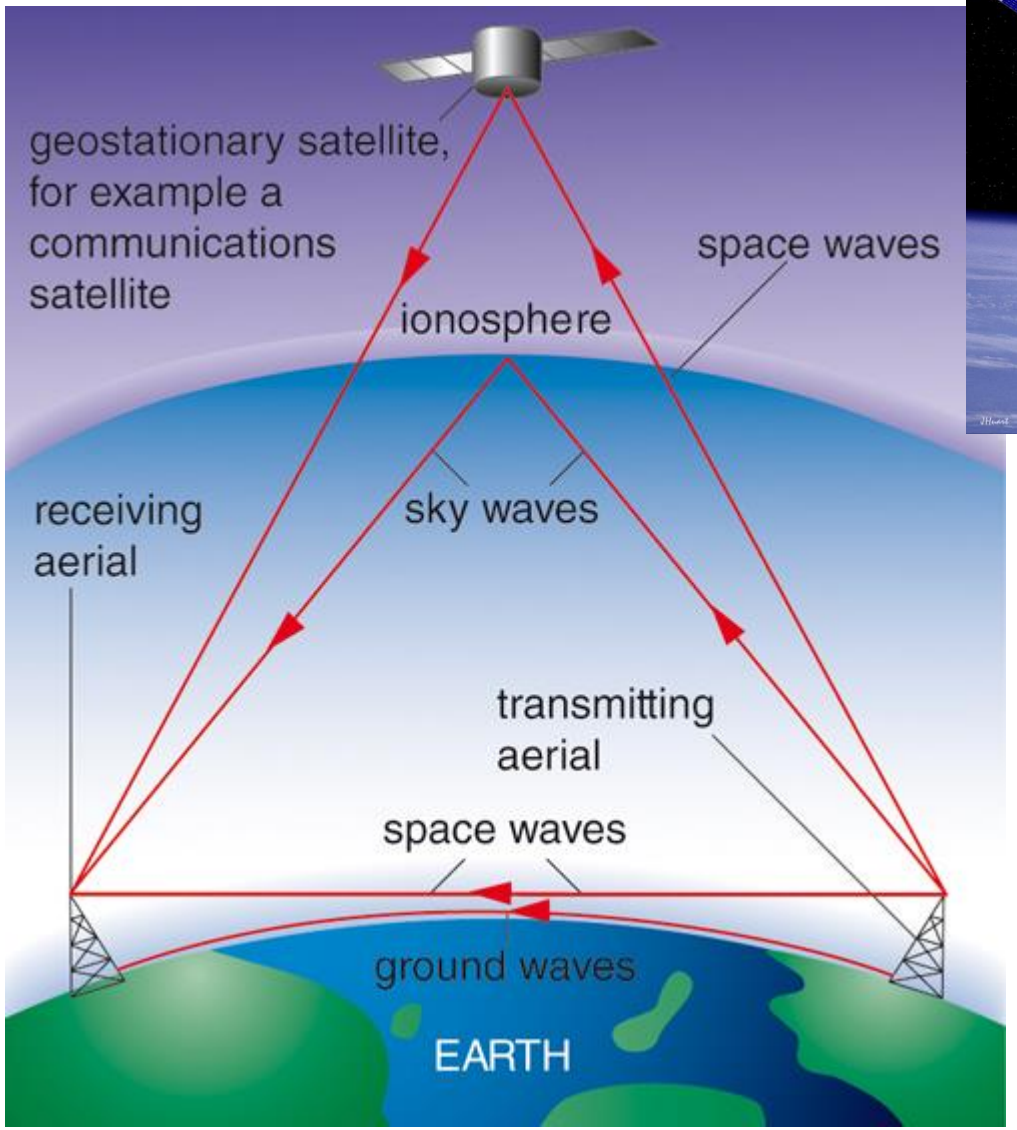


Erasmus+
Project No.: 2021-1-EL01-KA220-SCH-000023967
Call 2021 Round 1 KA2
KA220-SCH - Cooperation partnerships in school education
STEM Education for Primary Schools
STEM for Youngsters

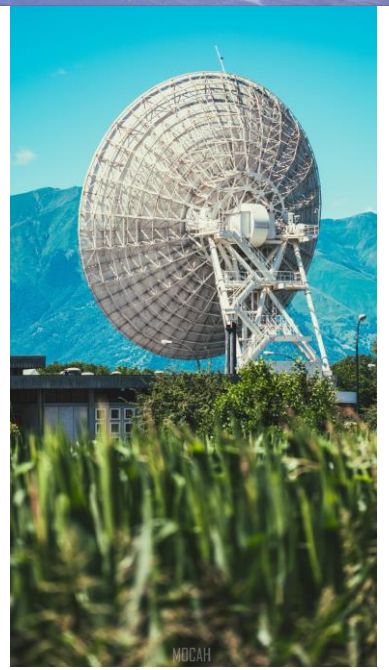
Automation Engineers

Transmit Data

Nowadays, with the widespread use of satellites, we can exchange messages with the other side of the planet







Erasmus+
Project No.: 2021-1-EL01-KA220-SCH-000023967
Call 2021 Round 1 KA2
KA220-SCH - Cooperation partnerships in school education
STEM Education for Primary Schools
STEM for Youngsters

Automation Engineers

Transmit Data

We use the Bluetooth
to communicate in a short distance.
Through a Bluetooth connection
the devices connect to transmit
either data or sound wireless
in a short distance (around 240m).



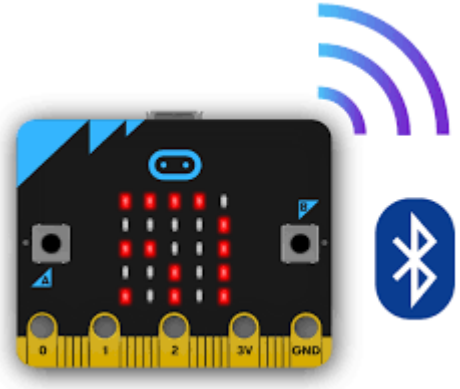


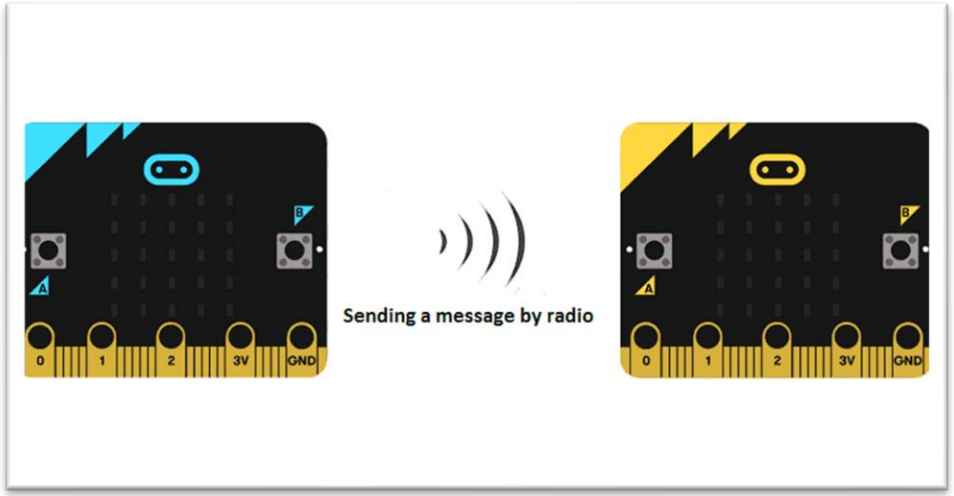


It exists from 1994 and it
continuously evolves.
The newest version is 5 from 2016.
Now, most devices have build-in
Bluetooth.

Erasmus+
Project No.: 2021-1-EL01-KA220-SCH-000023967
Call 2021 Round 1 KA2
KA220-SCH - Cooperation partnerships in school education
STEM Education for Primary Schools
STEM for Youngsters

Two micro:bit devices can communicate through a Bluetooth connection.





Writing or speaking is the equivalent of Radiowaves (the medium) and language (Greek, English, etc.) is the equivalent of the Bluetooth protocol.

The simplest connection is among 2 people.
So, we want the micro:bits to connect in pairs!



Erasmus+
Project No.: 2021-1-EL01-KA220-SCH-000023967

Call 2021 Round 1 KA2
KA220-SCH - Cooperation partnerships in school education
STEM Education for Primary Schools
STEM for Youngsters

Move on to the worksheet
and do the exercises all together



Erasmus+
Project No.: 2021-1-EL01-KA220-SCH-000023967

Call 2021 Round 1 KA2
KA220-SCH - Cooperation partnerships in school education
STEM Education for Primary Schools
STEM for Youngsters