

ATL Space Challenge 2021

September 13, 2021

In news- Atal Innovation Mission (AIM), NITI Aayog in collaboration with ISRO and CBSE successfully launched the ATL Space Challenge 2021 for all school students across the country.

About ATL Space Challenge-

- The challenge has been **designed for all the school students, mentors and teachers across the country** who not only are associated with schools having ATL labs but for all the non ATL schools as well.
- This is to **ensure that students of classes 6 to 12 are given an open platform where they can innovate** and enable themselves to solve digital age space technology problems.
- The **ATL Space Challenge 2021 aligns with the World Space Week 2021** which is being observed from 4 to 10 October each year at the global level in order to celebrate the contributions of space science and technology.
- **The aim of this challenge is to enable innovation among young school students** to create something in the space sector that will not only help them learn about space but create something that a space programme can use itself.
- This challenge aligns with this year's theme of celebrating 75 years of India's independence **"Azadi Ka Amrit Mahotsav."**
- Meanwhile, Students (from ATL and Non-ATL schools) can submit their entries be it a solution or an innovation in a team of up to three members.
- **Teams must be aligned to one of the Challenge Themes** under which the problems can be identified.
- Students can create a solution that can be implemented

and adopted leveraging technologies such as **(themes)**:

- **Inhabit Space:** AI/ML in space, 3D technology, healthcare
- **Leverage Space:** visualize data, geospatial technology, drone technology
- **Explore Space:** gaming technology, robotics, app development
- **Reach Space:** space apps, 3D technology, artificial intelligence or machine learning in space.

World Space Week 2021-

- World Space Week is an international celebration of science and technology, and their contribution to the betterment of the human condition.
- The United Nations General Assembly declared in 1999 that World Space Week will be held each year from October 4-10.
- These dates commemorate two events:
- **October 4, 1957: Launch of the first human-made Earth satellite, Sputnik 1,** thus opening the way for space exploration

October 10, 1967: The signing of the Treaty on Principles Governing the Activities of States in the Exploration and Peaceful Uses of Outer Space, including the Moon and Other Celestial Bodies.