

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.