



LENOVO AND YOUTUBE SPACE LAB

To: Teachers, parents and mentors of the world

Subject: Space Lab competition to foster student interest in STEM

In recent years, the number of students who go on to study physics and other sciences in higher education has declined. The wonder of space exploration has an extraordinary ability to reverse this trend and get students interested in science again. **Space Lab** is the first ever global effort to get students involved in space to help encourage the scientists and space explorers of tomorrow.

Lenovo, YouTube and a collection of international space agencies have partnered to create Space Lab, a global competition challenging 14-18 year old students to design a space science experiment. A team of world-renowned judges will pick the best of the entries, and the winning experiment will be sent 250 miles into space. On board the International Space Station, astronauts will live stream this experiment to classrooms around the world. The winning team will receive a special dedication for their school or community live from space, broadcast to millions of people via YouTube. In addition, when the winning students turn eighteen, they will have the option of travelling to Star City, Russia to become the youngest person in the world ever to receive space flight training.

Because gravity is a universal force which impacts all facets of science, teachers can integrate this project within their curricula. To assist teachers with this opportunity, there is a wealth of video content which Lenovo and YouTube have categorized into inspirational and educational playlists. In addition, we've provided a lesson plan and rubrics for evaluation. To ensure that the lesson has both scientific and educational merit, it has been aligned with science standards articulated by **PISA: The Program for International Student Assessment**. Beyond the classroom, there are many opportunities for families and schools to include Space Lab in extracurricular activities.

There are many ways schools, parents and teachers can use this opportunity to ignite the same spark and passion that existed when humanity took its first steps into space - and in doing so, instill a deep, lifelong passion for science. Please join the community of educators and scientists supporting Space Lab in encouraging the next generation of DOers from around the world to embrace science through the wonders of space.

- The Lenovo Education Team