

**GOVERNMENT OF INDIA
MINISTRY OF HUMAN RESOURCE DEVELOPMENT
DEPARTMENT OF SCHOOL EDUCATION & LITERACY**

**LOK SABHA
STARRED QUESTION NO. 423
TO BE ANSWERED ON 26.03.2018**

Space Related Education

*423. SHRI KAPIL MORESHWAR PATIL:

Will the Minister of HUMAN RESOURCE DEVELOPMENT be pleased to state:

- (a) whether school students normally do not evince much interest in aeronautics, astrophysics, astronomy and other space education subjects;
- (b) if so, the details thereof and the reaction of the Government thereto;
- (c) whether the Government proposes to promote careers in these subjects among the middle and secondary school level students in the country; and
- (d) if so, the details thereof along with the initiatives taken to promote space related education at school level?

**ANSWER
MINISTER OF HUMAN RESOURCE DEVELOPMENT
(SHRI PRAKASH JAVADEKAR)**

- (a) to (d) A statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) to (d) OF LOK SABHA STARRED QUESTION NO. 423 TO BE ANSWERED ON 26.03.2018 ASKED BY SHRI KAPIL MORESHWAR PATIL, MP REGARDING 'SPACE RELATED EDUCATION'.

(a) & (b) Central Board of Secondary Education (CBSE) has not conducted any survey about students showing interest in Aeronautics, Astrophysics, Astronomy and other space education subjects as these are highly specialized subjects offered by the universities in post-graduate classes and in engineering based courses. However, the curriculum prescribed by the CBSE adequately inspires students for studying physics and engineering courses including Aeronautics, Astrophysics, Astronomy and other space education subjects.

(c) & (d) CBSE has taken a number of steps to arouse interest in the subject of Science at middle and secondary school stage which may lead to promote careers in these subjects in later life. Some of the steps taken are as follows:

- The Board has brought out supplementary material, namely, "Science is Doing" for Class VII, "Learning by Doing" for Class VI and Class VIII to encourage activity based teaching learning processes in the classroom.
- Greater weightage has been assigned to practical work in Science at Secondary stage.
- To ensure seriousness and sincerity in Science practical work, assessment of practical skills through written examinations has been made an integral part of assessment scheme.
- To promote creativity and innovativeness in the learners, Regional level and National level Science exhibitions are organized by the Board for CBSE affiliated schools every year.

National Council of Educational Research & Training (NCERT) has incorporated age appropriate space related contents at various places in Science and Social Science textbooks of various classes from VI to XII.

In order to make science education interesting for children, Ministry of Human Resource Development has launched a Rashtriya Aavishkar Abhiyaan, which emphasizes on making science popular among children. It seeks to create curiosity, excitement and a spirit of innovation and exploration amongst school children in the study of Science and Mathematics.
