

GOVERNMENT OF INDIA
MINISTRY OF EDUCATION
DEPARTMENT OF SCHOOL EDUCATION & LITERACY

RAJYA SABHA

**UNSTARRED QUESTION NO. 1136
TO BE ANSWERED ON 08.12.2021**

Promotion of research and innovation in schools

1136 #SHRI RAMKUMAR VERMA:

Will the Minister of *Education* be pleased to state:

- (a) the scheme of Government to promote research and innovation in schools and to develop inquisitiveness and technical temperament among students in the country, including Rajasthan;
- (b) the State-wise details of the total number of students so far under this scheme; and
- (c) the details of the total budget allocated for the year 2021-22 and the total amount spent during the last three years?

ANSWER

**MINISTER OF STATE IN THE MINISTRY OF EDUCATION
(SMT. ANNPURNA DEVI)**

(a) to (c): Samagra Shiksha is an integrated programme which envisages all round development of children. With the focus on connecting school-based knowledge to life outside the school, making learning of Science and Mathematics a joyful and meaningful activity and to bring focus on innovation and use of technology, Rashtriya Avishkar Abhiyan (RAA) has been set up by Ministry of Education as a convergent framework that aims at nurturing a spirit of inquiry and creativity, love for Science and Mathematics and effective use of technology amongst children of the age group of 6 to 18 years. Some of the major objectives are to enable children to become motivated and engaged in Science, Mathematics and Technology (SMT) through observation, experimentation, drawing inferences, model building, rational reasoning and testability and to create curiosity, excitement and exploration among school children in Science, Mathematics and Technology.

The details of expenditure of funds under RAA for the last three years and provision for 2021-22 are as given below.

(Rs.in lakh)			
2018-19	2019-20	2020-21	2021-22
11172.342	15963.22	14253.74	15748.72

The School Innovation Ambassador Training Program (SIATP) was launched on 16th July 2021 by Ministry of Education's Innovation Cell (MIC), CBSE and AICTE in collaboration with Ministry of Tribal Affairs to strengthen the mentoring capacity of teachers for nurturing and handholding innovative and creative ideas from students. The Objectives of the SIATP are (i) to create a culture of innovation, creativity and entrepreneurship in schools; (ii) Preparing teachers to handhold the ideas and innovative thoughts from students; (iii) Creating the in-house pool of mentors in schools to mentor the students; (iv) Creating awareness on innovation and start-ups among the students and faculties; (v) Prepare teachers to conduct idea competitions, hackathons and enable them to act as an evaluator for Idea Competitions conducted for students; and (vi) Create the foundation and capable human resource for School Innovation Council (SIC), a council of teachers, students and experts from industry and academia to conduct round the year activities for students and teachers on Innovation and Entrepreneurship.

The Department of Science & Technology started a unique programme 'VigyanJyoti' for meritorious girls with the aim to address the underrepresentation of women in different fields of Science Technology Engineering and Mathematics (STEM) in the country. As a first step, the "Vigyan Jyoti" has been introduced in the year 2019-20 at the school level wherein meritorious girl students of Class 9-12 are being encouraged to pursue higher education and career in STEM field. The VigyanJyoti envisaged hand-holding and interventions right from the school level i.e., Class IX and which will continue till the PhD level to encourage girls to pursue a career in underrepresented areas of STEM. Various activities such as science camps, special lectures/ classes, counselling of students and parents, interaction with role models, tinkering activities, visit to Knowledge Partners/ Research Labs/ Industries/ NGOs are being conducted in the programme in order to motivate girls.

Under the 'Aatma Nirbhar Bharat Abhiyan' initiated by the Hon'ble Prime Minister of India, Toycathon-2021 is conceived to challenge India's innovative minds to conceptualize novel Toy and Games based on Bharatiya civilization, history, culture, mythology and ethos.

Toycathon 2021 is an inter-ministerial initiative organized by Ministry of Education's Innovation Cell with support from All India Council for Technical Education, Ministry of Women and Child Development, Ministry of Commerce and Industry, Ministry of MSME, Ministry of Textiles and Ministry of Information and Broadcasting.

Toycathon 2021 is a unique opportunity for Students, Teachers, Start-ups and Toy experts/professionals in India to submit their innovative toys/games concepts and win large number of prizes worth Rs. 50 lakhs.

Through conceptualizing new and innovative toys by students using local materials which are economical, affordable, safe, environment friendly, and of exceptionally high quality for both Indian and global markets, it has kindled the innovative and creative spirit of students. Winning Teams efforts will be made to commercialize the exceptional toy concepts will support from Industry and investors.
