

Homi Bhabha Centre for Science Education

Tata Institute of Fundamental Research (A Deemed University)

V. N. Purav Marg, Mankhurd, Mumbai 400 088

Ph.D. Programme in Science Education – 2011

Do you have a

- Flair for teaching and writing?
- Curiosity about how children learn?
- Concern to improve science and maths education?
- Interest in design and technology education for children?
- Wish to do research in science, maths or design and technology education?

We are looking for young people who combine a basic training in the natural sciences with a lively interest in society, technology or the arts, to explore issues in school and college education.

HBCSE carries out research and development in education in science, technology and mathematics from primary school up to undergraduate level. This research is informed by current perspectives in cognitive science, developmental psychology, history and philosophy of science and socio-cultural aspects of science and education. Pre-Ph.D. programmes in these areas serve to orient students who may enter with varied backgrounds.

Science and maths teachers and educators are welcome to apply. They would spend a minimum of two years at HBCSE to complete their course work and initiate their research work.

Areas of research

- Development of scientific and mathematical thinking in children
- Design and technology in the school curriculum
- Visual and spatial modes in learning
- Socio-cultural and gender factors in learning
- Structure and dynamics of knowledge
- Environment education
- Innovative curricula, laboratories and teaching methods

Eligibility

B.Sc. in any subject followed by M.Sc./M.A./M.S.W. or B.Tech./B.E./M.B.B.S. or equivalent

Important dates

Application request deadline	:	1 April 2011
Submission deadline	:	15 April 2011
Written test	:	22 May 2011
Interview	:	June 3rd week, 2011

Note: This is a programme in education. It is **not** a pure or applied science research programme.

Admissions are made initially for one year, renewable annually up to a maximum of five years.

Students receive a monthly scholarship of Rs 16,000 (enhanced to Rs 18,000 after registration) and an annual contingency grant of Rs 20,000. Accommodation may be provided on campus at nominal cost. In lieu of accommodation HRA amounting to 30% of the fellowship will be paid.

For application forms write, enclosing a 25.5 cm × 15.5 cm self-addressed envelope with stamps worth Rs 10 to **The Dean**, Homi Bhabha Centre for Science Education, TIFR, V. N. Purav Marg, Mankhurd, Mumbai 400 088.

Alternatively, you may download the form from <http://www.hbcse.tifr.res.in/downloads/>

Completed forms should be sent latest by **15 April 2011** with two passport size photographs along with a demand draft for Rs 350 (non-refundable) payable at Mumbai in favour of **Homi Bhabha Centre for Science Education**.

A written test for eligible applicants will be held at six Centres around the country: Chennai, Bangalore, Pune, Mumbai, Delhi and Kolkata. For information see <http://www.hbcse.tifr.res.in/graduate-school/examinfo/>. Those who qualify will be called for an interview.

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