

## **Bajaj College of Science, Wardha**

### **Institution Distinctiveness**

College is mentoring a sister institute Bajaj Science Center located nearby to the institute where around 500 school students are coming to learn science by doing experiments.

**About Bajaj Science Center:** Bajaj Science Center was established in 2007 to promote basic science education among students. Leading industrialist Shri. Rahul Bajaj is the president of this institute and Prof. C.K.Desai is the main architect to establish this institute. It is different from a routine school or a college laboratory and also from a normal museum. Bajaj Science Center houses all experiments from the regular curriculum and a good number of other experiments which will stimulate the curiosity of the students. Apart from these experiments, the center also works on simple science demonstrations to convince that the science is logical sequence of thought and not magic at all. Keen and careful observations, drawing the inferences, estimate and measure the error, design a new experiment or new method by minimizing the errors; these are the qualities which get developed while doing concept-oriented experiments. The students learn happily through the combination of innovation, exploration and learning by doing. Students are encouraged to ask every query and doubt to the co-explorer teacher as well as friends which encourages dialogue amongst them. Dialogue helps learning and helps understanding of the subject content. Most educationalists say, there should be a paradigm change in education, what is it exactly? The science education that the students get through experimentation and dialogue in Bajaj Science Center is definitely one of the correct ways to find a solution.

Center facilitates about 1000 students from different schools in the region from 5th standard to 12th standard. Students are admitted through entrance test on merit basis.Center consists of six laboratories (Physics, Chemistry, Mathematics, Biology, Electronics and Computers, Astronomy) and also have a separate library. Each laboratory is well equipped with a number of experiments and pedagogy tools and is enough to generate scientific temperament amongst students. Students are entertained to adopt a self-learning mode with the help of subject experts. Center is also associated with Homi Bhabha centre for science education (HBCSE), Mumbai, the apex national institution working in the field of science education. Center is also one of the three examination centers of Maharashtra for the well known Homi Bhabha Balvaidnyanik Competition. It also trains the students for the International Olympiad programme. For more details visit [www.bjajsciencecenter.com](http://www.bjajsciencecenter.com)

**Role of Bajaj College of Science:**

Bajaj College of Science facilitates the center for all kinds of scientific inputs. Since 2007, faculties of Bajaj College of Science often visit the place to deliver some sessions. Management of the center took advice from time to time for the infrastructural development. Faculties were also involved in the laboratory set up. Currently, college is playing an active role in nurturing all kinds of activities in the center.

**Involvement of Faculty of BCS:**

Presently, Dr. G.V. Lakhotiya, from department of Physics is the honorary director of the center and all five laboratories (Physics, mathematics, chemistry, biology, electronics) are mentored by the faculties of the college. Many faculties are also giving their honorary services for training students for the International Olympiad programme. Faculties of the college also entertain the students for their projects. Students of the science center are also entertained in the college for some sessions like video conferencing, museum visits, and visits to laboratories.

**Involvement of UG/PG students:**

Some students of Bajaj College of Science are also associated with the center as fellow for the internships. These UG students develop some experiments for the middle/high school curriculum. Students of Astroclub along with the faculty incharge organize a few sky watching and discussion sessions there. UG students also deliver seminars for some recent happening in science. Students of the college also organize some events at the center. This not only gives them an opportunity to correct their fundamentals but also boost their team building abilities.