

DETAILS OF SCHOOL INFRASTRUCTURE

1)LIBRARY: "A book is a magical thing that lets you travel to far-away places without ever leaving your chair."

The role of the library is integral to the teaching and learning process. Our school library facilitates the work of the teachers and ensures that each student has equitable access to resources irrespective of home opportunities or constraints. I'm pleased to share that our school library is equipped with 14,000 books, 10 educational journals and periodicals which provide and promote quality fiction to develop and sustain in students, the habit and enjoyment of reading for pleasure and to enrich students' intellectual, aesthetic, cultural and emotional growth.

2)MATHS LAB: The department has well-qualified, experienced instructors and laboratory facilities for regular practical classes and project work.

The Mathematics Laboratory is a resource offered to students by the department of Mathematics. The goal of the Math Lab is to support students' efforts by providing an environment, which encourages independent and original thinking through the 'learning by discovery' approach. Teachers and students work as joint investigating teams.

The aims of Maths lab:

- Providing healthy learning environment, which is more pragmatic and life- oriented.
- To remove the fear for study of Mathematics.
- To create and conduct projects and activities which focus on application of mathematics to real life problems thus relating school mathematics to situations outside the classroom.
- To facilitate the children to comprehend certain abstract concepts and to transform tricky abstract and impractical subject into an interesting learning experience.

3)COMPUTER LAB: Students, faculty and staff have access to the computer labs, which provide the tools and technologies. There are 2 computer labs with around 50 systems for Conducting practical classes for students.

4)Biology Lab: JSS has well organised and well equipped Biology Lab . Preserved specimen, charts and prepared slides depict how complex forms of life were evolved from simpler ones. Lab also has an over head projector. It can accommodate 40 students easily at a time. Students attend Biology practicals with enthusiasm because it is only through this subject that they understand the role of Genetic Engineering in today's life.

The basic skills that are inculcated through the lab include:

1. Identification
2. Recapitulation

3. Drawing and labelling
4. Analysis
5. Comparison
6. Decision making
7. Team work spirit- share and care

5)CHEMISTRY LAB: The department has well-qualified, experienced instructors and laboratory facilities for regular practical classes and project work. There is a well-ventilated, spacious lab which can accommodate up to 40 students at a time. The lab has 24 hrs running water and gas supply with ample storage area for chemicals, equipment and Chemical balances.

The Chemistry lab is well-ventilated, spacious lab, supplemented with the chemicals, equipments required for practical classes and project work.

The basic skills students achieve in the lab include:

- Lab etiquettes- do's and don'ts
- Handling apparatus
- Identification
- Proper usage of chemicals
- Accuracy
- Decision making
- Team work- work together

6)LANGUAGE LAB: The school has a language laboratory, which accommodates language learning, multi-media presentations and self-study sessions. Language lab comprises 35 linguaphone sets supporting with study material and cassettes. Students can hear and reproduce accurate intonation in the specific language. The permanent learning is achieved in the lab vide interaction sessions with the teacher and the peer group.

7)SOCIAL SCIENCE LAB: We live in biome- which comprises both living and non living components. Human Being is a social being. To establish the relationship with biotic and abiotic components, Social Science lab plays a vital role.

The objective of Social Science Lab is to :

- Understand the relationship between human populations and the physical world.
- examine the influence of physical systems, such as climate, weather and seasons, and natural resources, such as land and water, on human populations

- study the causes, patterns and effects of human settlement and migration, learn of the roles of different kinds of population centres in a society, and investigate the impact of human activities on the environment
- help students remember the concepts better
- to transfer the experience to other learning situations.

8) AUDIO-VISUAL ROOM :A high tech Audio-visual room aims at enhancing the permanent learning among the taught. The AV room houses DVD, OHP and LCD

projector, which form the teaching and learning aid.

The students of our institution will be:

Perceptive thinkers by possessing knowledge base and a conceptual skill set which will help them to analyze and structure solutions.

Effective technology users : Students will use and adapt technology effectively for a variety of purposes in a rapidly changing technological society.

9)KINDERGARTEN SECTION: Our care given at Kindergarten is firm but gentle. Like gardeners, we aim at enabling our children to take their first few steps in the wider, outer world, thus laying a strong foundation for sure and capable individuals.

The colourful furniture provides a conducive environment to the young minds. The aesthetic sensibilities of the children are honed and their perceptive and cognitive abilities are developed through computer-aided teaching.

The Activity Hall is a hub of all art, craft, music, dance and other such activities. The tiny-tots become proficient in working independently through project-based activities, which enhances their vocabulary, and thus polish their communicative skills.

10) INFIRMARY

“He, who has health, has hope; and he who has hope has everything.” – Arabian Proverb

The school provides medical aid to the students. Periodical Health-check ups are a regular feature and the students are also motivated towards Balanced and Healthy Food Habits. The school believes in imparting healthy food habits to the students for a healthy mind can reside only in a healthy body.General health check up, Dental, Eye check up are done regularly in association with Lions club, Bangalore south.First aid kit is available in all the class rooms and floors. Immediate attention is given to the needy and is taken to the hospital if necessary.

11)PHYSICS LAB:The Physics lab is fully equipped with apparatus and physical balances to carry out experiments and investigatory projects related to mechanics, light, magnetism, electricity, heat and optics.

In the lab, students carry out various activities and relate them to real life situations. Students take keen interest in making working models in the lab. The activities carried out in the lab intend to make learning of physics more interesting, motivating, effective and meaningful as it involves learning by doing and experiments.