NEW LOOK GIRLS' COLLEGE

LODHA (BANSWARA) (RAJ.) 327001

Laboratories

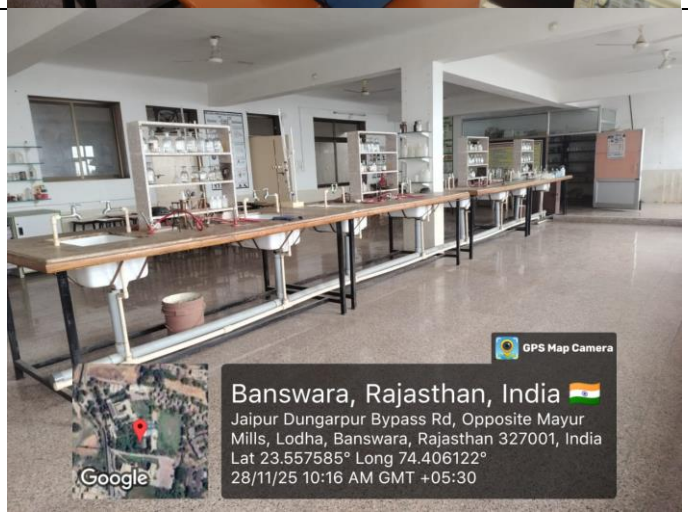




PHYSICS LAB:

The Physics Laboratory of New Look Girls' College, Lodha, Banswara, is well-equipped with more than 70 scientific instruments and experimental setups to provide students with quality practical education and hands-on laboratory experience. The laboratory also has a separate, well-maintained dark room equipped with more than 15 optics experiments, providing facilities for various experiments related to light and optical phenomena.

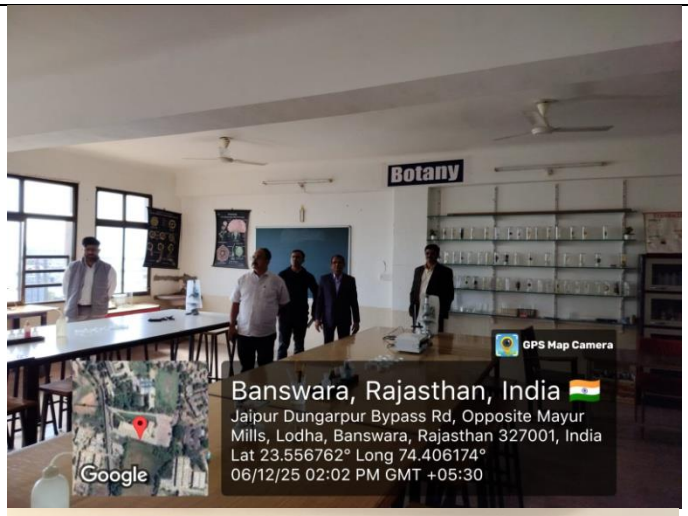
The laboratory is designed to meet the practical requirements of both B.Sc. and B.Sc.-B.Ed. Physics programmes, in accordance with the National Education Policy (NEP) 2020 and the prescribed syllabus of Govind Guru Tribal University, Banswara. The available practical facilities cover a wide range of important areas of physics, including Electronics, Thermodynamics, Mechanics, Optics, and Error Analysis. With more than 70 practical instruments and dedicated experimental facilities, the laboratory aims to develop scientific aptitude, experimental skills, analytical thinking, and a strong understanding of fundamental physical principles among students.



CHEMISTRY LAB:

The Chemistry Laboratory at New Look Girls' College, Lodha, Banswara, provides a practical learning environment where students explore fundamental principles of chemistry through experiments and scientific observations. The laboratory supports undergraduate practical learning in Organic, Inorganic, Physical, and Analytical Chemistry. Students develop essential skills in chemical analysis, laboratory techniques, experimental accuracy, and scientific reasoning. Emphasis is placed on laboratory safety, responsible handling of chemicals, and systematic experimentation.

	The facility strengthens conceptual understanding, encourages scientific curiosity, and prepares students for higher education, research, and professional opportunities in chemical sciences.
 	**ZOOLOGY LAB:** The Zoology Laboratory at New Look Girls' College, Lodha, Banswara, provides an engaging environment for studying animal diversity, anatomy, physiology, genetics, and biological processes. The laboratory supports practical learning through specimen observation, microscopic examination, biological charts, and scientific demonstrations. Students gain valuable experience in identifying organisms, understanding anatomical structures, and exploring fundamental zoological concepts. Practical activities encourage scientific observation, analytical thinking, and research-oriented learning. The laboratory aims to develop a deeper understanding of animal life, biodiversity, ecological relationships, and biological sciences while preparing students for advanced studies and scientific careers.





BOTANY LAB:

The Botany Laboratory at New Look Girls' College, Lodha, Banswara, promotes scientific exploration of plant life, biodiversity, taxonomy, physiology, and environmental relationships. Students develop practical knowledge through microscopic observations, botanical specimens, plant identification, and laboratory-based activities. The laboratory supports experiential learning in plant anatomy, morphology, ecology, and other fundamental branches of botanical science. Emphasis is placed on scientific observation, analytical skills, and environmental awareness. By connecting theoretical knowledge with practical investigations, the laboratory encourages students to appreciate plant diversity, understand ecological balance, and develop research-oriented approaches to botanical studies.





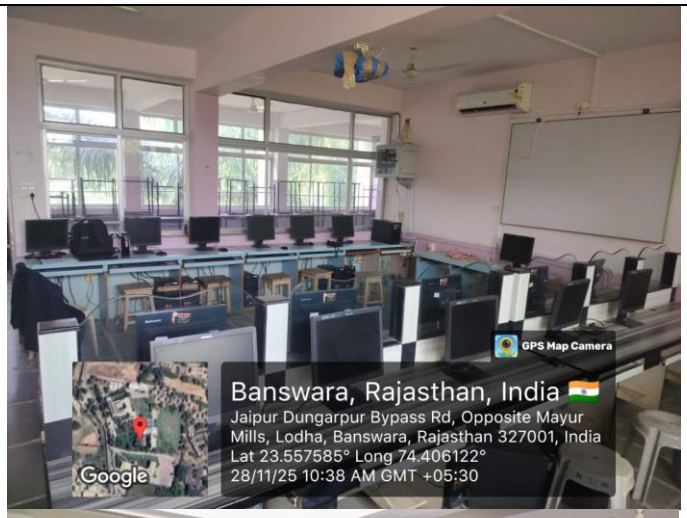
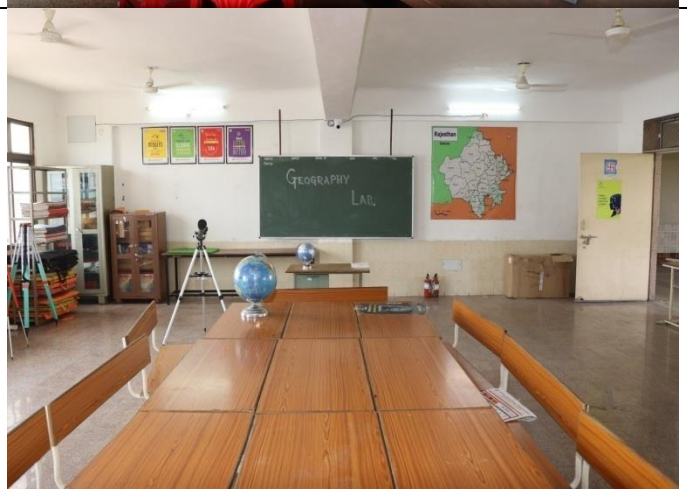
MATH LAB:

The Mathematics Laboratory of New Look Girls' College, Lodha, Banswara, is an innovative and interactive learning space designed to make Mathematics more interesting, practical, creative, and enjoyable. The laboratory provides students with opportunities to explore mathematical concepts through models, charts, geometrical instruments, teaching-learning materials, and activity-based experiments.

The laboratory is designed to support the academic requirements of B.Sc. and B.Sc.-B.Ed. programmes, in accordance with the National Education Policy (NEP) 2020 and the prescribed curriculum of Govind Guru Tribal University, Banswara.

The laboratory facilitates experiential and activity-based learning in various areas of Mathematics, including:

1. Algebra and Matrices
2. Geometry and Coordinate Geometry
3. Trigonometry
4. Calculus
5. Statistics and Probability

	6. Mathematical Modelling 7. Graphs and Analytical Geometry 8. Mathematical Reasoning and Logical Thinking.
 	**COMPUTER LAB** The Computer Laboratory at New Look Girls' College, Lodha, Banswara, supports technology-enabled education and promotes digital literacy among students. The laboratory provides opportunities to develop practical knowledge of computer applications, programming fundamentals, data processing, and information technology. Students enhance their technical competencies through computer-based assignments, academic projects, and interactive learning activities. The facility encourages logical reasoning, problem-solving, creativity, and effective utilization of digital resources. By integrating theoretical concepts with practical applications, the laboratory helps students acquire essential computer skills required for higher education, professional development, and participation in an increasingly technology-driven world.
	**GEOGRAPHY LAB** The Geography Laboratory at New Look Girls' College, Lodha, Banswara, provides an interactive learning environment for understanding geographical concepts, spatial relationships, and environmental processes. The laboratory supports practical activities involving maps, geographical models, charts, cartographic techniques, and geographical data interpretation. Students develop skills in map reading, scale calculations, geographical analysis, and understanding physical and human landscapes. Practical learning encourages observation, analytical reasoning, and awareness of environmental challenges. The laboratory connects classroom knowledge with real-world geographical phenomena, helping students understand the relationship between human activities, natural resources, geographical environments, and sustainable development.







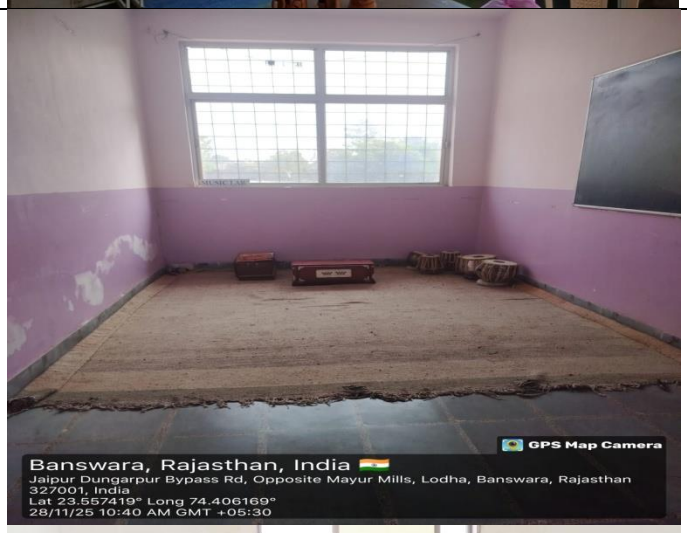
HOME SCIENCE LAB

The Home Science Laboratory at New Look Girls' College, Lodha, Banswara, provides a practical learning environment for developing essential life skills, creativity, and scientific understanding of everyday activities. The laboratory supports experiential learning in nutrition, food preparation, textile studies, household management, and related areas of Home Science. Students participate in practical demonstrations and skill-development activities that encourage resource management, hygiene, innovation, and responsible decision-making. The facility promotes independent thinking, practical competence, and entrepreneurial awareness. It helps students connect academic knowledge with daily life while preparing them for professional and personal responsibilities.



FINE ART LAB

The Fine Arts Laboratory at New Look Girls' College, Lodha, Banswara, provides a creative environment where students explore artistic expression, imagination, and visual communication. The laboratory encourages practical learning in drawing, painting, sketching, composition, and various traditional and contemporary art techniques. Students develop artistic skills through creative

<table>
<tr>
<td></td>
<td>assignments, practical demonstrations, and individual projects. Emphasis is placed on aesthetic appreciation, originality, observation, and innovative thinking. The facility nurtures artistic talent, promotes cultural awareness, and encourages students to express their ideas creatively while developing essential skills for advanced artistic studies and professional opportunities.</td>
</tr>
<tr>
<td>

</td>
<td>MUSIC LAB

The Music Laboratory at New Look Girls' College, Lodha, Banswara, provides an inspiring environment for developing musical knowledge, creativity, and performance skills. The facility supports practical learning in vocal music, rhythm, melody, musical composition, and instrumental techniques. Students are encouraged to explore classical, traditional, and contemporary musical forms through guided practice and collaborative activities. The laboratory promotes an appreciation of India's rich musical heritage while enhancing concentration, discipline, coordination, and artistic expression. It provides opportunities for students to refine their musical abilities and participate confidently in cultural programmes and musical performances.</td>
</tr>
<tr>
<td></td>
<td>YOGA LAB
The Yoga Room at New Look Girls' College, Lodha, Banswara, is dedicated to promoting physical fitness, mental well-being, and holistic personality development. The facility provides a peaceful environment for practising yoga, meditation, breathing exercises, and relaxation techniques. Students are encouraged to develop healthy lifestyles through regular participation in wellness-oriented activities. Yoga practices help improve flexibility, concentration, emotional balance, and self-discipline. The room supports the institution's</td>
</tr>
</table>

	commitment to integrating traditional Indian wellness practices with modern education, encouraging students to maintain harmony between physical health, mental awareness, and personal development
 	**SOCIAL SCIENCE LAB:** The Social Science Laboratory at New Look Girls' College provides an interactive learning environment equipped with maps, globes, charts, models, and educational resources. It encourages students to explore History, Geography, Political Science, and Economics through practical activities, developing critical thinking, analytical skills, geographical understanding, and awareness of society, culture, and the environment.
	LANGUAGE LAB The Language Laboratory at New Look Girls' College, Lodha, Banswara, supports the development of effective communication skills, language proficiency, and confidence in verbal expression. The laboratory encourages interactive learning through listening, speaking, pronunciation, vocabulary development, and communication-based activities. Students are provided opportunities to improve fluency, comprehension, presentation skills, and interpersonal communication. Emphasis is placed on practical language usage, active participation, and learner-centred teaching methods. The facility contributes to academic growth, personality development, and career readiness by helping students strengthen the communication abilities required for higher

	education and professional environments.
	ICT LAB The Information and Communication Technology (ICT) Laboratory at New Look Girls' College, Lodha, Banswara, promotes technology-integrated education and innovative teaching-learning practices. The laboratory supports the development of digital competencies through ICT-based academic activities, educational applications, presentations, and technology-assisted learning. Students are encouraged to explore digital resources, improve information management skills, and develop confidence in using modern educational technologies. The facility strengthens collaborative learning, creativity, problem-solving, and digital awareness. It contributes to the institution's commitment to modern education by connecting traditional classroom teaching with contemporary technological approaches and digital learning opportunities.
	PSYCHOLOGY LAB The Psychology Laboratory at New Look Girls' College provides an interactive and practical learning environment for understanding human behavior, emotions, cognition, and mental processes. The laboratory supports psychological experiments, assessments, and observational activities, helping students develop scientific thinking, analytical skills, and a deeper understanding of human psychology through hands-on learning experiences.



Principal
New Look Girls' College