

Rachna Verma

Educator-Chemistry

Gurgaon

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With a **Master's degree in Chemistry and Education**, I am equipped with **14 years of experience** in school education in various roles. My experience and skills make me a great fit as a progressive educator.



Skills

- Curriculum Development and Lesson Planning
- Leadership -Team management, group, and individual instruction
- Academic Goals and Active Learning Methods
- Online and offline learning paths
- Assessment Methodology
- Experiential learning
- Coaching and mentoring for Teachers and Learners
- Digital/online content development



Work History

May 2022- April 2023 **Chemistry Educator-High School, ICSE Syllabus**
Chrysalis High, Bangalore

- Chemistry facilitator for grades 9-10 and class teacher for grade 9.
- Preparing AYP (Annual year planner) for grades 9 &10.
- Delivering lesson plans using teaching aids like charts, PPT, Flashcards, and 3D models.
- Chemical experiments demonstration and innovative games etc.
- Incorporated innovative and engaging activities like presentations and seminars to achieve student participation and hands-on learning.
- Managing Chemistry lab activities and records
- Prepared Grade 9 &10 Question papers and revision worksheets.
- Part of the Organizing Committee for Science Fest, Theme based class assemblies, Science Day and Display Dance for sports day.

- Maintaining Logbook, Brag Tag maintenance, PTM Register, Lesson observation, Curriculum workshop plan(online/offline), Maintaining CWR (Curriculum workshop report)
- Maintaining anecdotal register-PUPA (Prior understanding of pupil), Attending PUPA workshops, PUPA meetings (St-Tr Interaction, Parent-Tr Interaction), Validation & Identification of Strength and AOI, Delivering ISP (Support classes), Maintaining class records of CHAMPS/Skills (Social/oratorical. Enrichment and life skill activities,
- PUPA card and Online Report card maintaining

**June 2015 –
April 2022**

Team leader & Chemistry Facilitator

The Brigade School, Bangalore (I.C.S.E BOARD)

Team Leader for Science Department since April 2019

- Responsible for the functioning of the Team of Teachers from 6th to 10th grade.
 - Chemistry facilitator for 6th-10th grade. 100% result for 10th grade
 - Examiner for the ICSE Board Examination Evaluation since 2018.
 - Managed hybrid learning in a frequently changing education environment.
 - Incorporated innovative and engaging activities to achieve student participation and hands-on learning.
 - Used interdisciplinary study as a guiding principle, establishing partnerships with teachers in other subjects to draw parallels for collaborative learning.
 - In charge of the community outreach program under the NB Youth project.
 - In charge of science exhibition, Environment Day, Science Day, Children's Day, and theme-based dance for the annual day.
- Green Olympiad and Leadership Skills Club

**Aug 2012 -
May 2014**

Science Teacher

Ryan International School, Gurgaon, Haryana (C.B.S.E BOARD)

- Teacher & Coordinator for Science Department for 6th to 8th grade
- Club In-charge for Organization and Leadership
- In charge of Science Exhibition for 6-8th grade

**Jun 2004 -
Jul 2005**

Science Teacher ((C.B.S.E BOARD)

Kabir International School, Sr sec, School, New Delhi

- Science Teacher for 6th -8th Standard
- Assessed submitted class assignments, determined grades, and review work with struggling students to boost success chance.

**Jul 2001 -
May 2002**

Science Teacher ((C.B.S.E BOARD)

S.S.L.N.T. Sr. Sec. School, New Delhi

Science Teacher for Grades 8th-10th

- Focused classroom environment on learning by establishing clear goals.
- Assessed submitted class assignments, determined grades, and review work with struggling students to boost performance.
- Worked closely with students needing additional mentoring
- Managed constructive student discipline, discouraging inappropriate behavior

Jul 1998 - Lecturer - Chemistry
Aug 2000 D.A.V. Degree college, CCS University, UP
B.Sc. and M.Sc. classes- Theory and practical

Role as Online Mentor

- E-Content development & E-Learning
- Prepared Lesson Plans in video and PPTs on different concepts in Chemistry for Class VI-X.
- Prepared Modules in Chemistry to impart online learning.
- Prepare Assessment and Revision Google worksheets.
- Video lesson for demonstration of experiments.
- Videos lesson by applying an art integration approach to make online learning more effective.

Achievements

- Received **Top 10 Super Multiple Intelligences Lead educator** for 2021-22 in CIQ SMILE contest
- In my Guidance, one student was selected for NSPIRE Awards-Manak 2021-22 DST-Govt of India
- Received Participation Certificate in the orientation on "Online Labs for Schools" via video conferencing which covered presentation-cum-demo on Online Lab.
- Participated in the National Teachers Science Congress (NTSC) held at Ahmedabad from 14-16th December 2018. My presentation titled "Motivating Youth by Innovative Reinforcement Games" was well received, acknowledged, and published by the panel.
- Participated in the Chemistry Olympiad Teacher's Exposure Camp held at Homi Bhabha Centre for Science Education (TIFR) Mumbai from 21-24th November 2019. There were different workshops, theory sessions, lab sessions, POGIL (process-oriented guided inquiry learning approach), experimental pedagogy, and TIFR visit.
- In NB Youth Project Won a cash award along with our team of two student volunteers.
- Participated in a two-day Professional Development Program Creative Workshop in Chemistry - In Our Element "organized by ACADEMY FOR CREATIVE TEACHING Bangalore, 2021
- Participated in "The teaching the Next Gen Webinar Series organized by IISER Pune, in collaboration with the Royal Society of Chemistry. Completed assessment for this series.
- Completed 1 year diploma in Online Teaching for Science, organized by NCERT.
- 1st position in College in Graduation and Post-graduation. Scholarship during school years

Education

Jul 1996 - Master Education: Education
May 1998 CCS University, UP

Jun 1994 - Master of Science: Chemistry
Jul 1996 CCS University, UP



Languages

English and Hindi



Interests

Dance, Gardening, Travelling, and Community Service