

MADAM MARIE CURIE SCIENCE CLUB

Activities of the Club

2017-22



Patron of the Club

Dr. Pargat Singh Garcha

Sponsor of the Club

Dr. Manu Chadha

G.H.G. Khalsa College of Education, Gurusar Sadhar, Ludhiana

Madam Marie Curie Science Club

Science clubs channelize the energies of students and make use of their skills and talents, which satisfy their instincts and urges and help in their overall personality development. Science clubs work in association with classroom instruction of science subjects. The Science club at GHG Khalsa College of Education, Gurusar Sadhar has been named after the famous scientist, *Marie Curie*, who was known as the "Mother of Modern Physics" for her pioneer work in research about radioactivity, a word she coined. She was the first woman to win a Nobel Prize, in Physics in 1903 and with her later win, in Chemistry in 1911, she became the first person to claim Nobel honors twice. Her efforts with her husband Pierre led to the discovery of polonium and radium, and she championed the development of X-rays.

Aims and Objectives of the Science Club

- To inculcate scientific attitude among the students
- To encourage the pursuit of science as a hobby
- To encourage people participation and initiative in learning science
- To provide vocational and educational guidance to the members of club
- To provide profitable use of leisure time
- To broaden the scientific outlook of students
- To keep the students in touch with the recent advances of science and their impact in life
- To develop among the pupils a training in scientific method
- To organise various activities in the college
- To develop among children a habit of cooperative working
- To identify and nurture the future scientists of India and abroad
- To develop leadership qualities

- To contact other clubs and exchange information and activities

Composition of the Club

- *Patron*
- *Sponsor*
- *Chairman*
- *Secretary*
- *Assistant Secretary*
- *Treasurer*
- *Librarian*
- *Lab Incharge*
- *Publicity officer*
- *Members*

Activities of the Club

- ❖ Holding panel discussions, quiz, seminars, discussions, meetings, exhibitions and debates
- ❖ Arranging excursions and trips to places of scientific interest
- ❖ Preparing models, charts on scientific topics
- ❖ Making improvised apparatus
- ❖ Celebrating Science Day
- ❖ Holding meetings addressed by invited guests
- ❖ Rendering community service in health and sanitation
- ❖ Organising drives to inculcate sound health habits

Session 2017-18

Patron	Dr. Sarbjit Kaur Ranu
Sponsor	Dr. Manu Chadha Dr. Guneet Toor
Chairperson	Pawanpreet Kaur (11)
Secretary	Prakriti (31)
Assistant Secretary	Shweta Kumari (8)
Treasurer	Mandeep Singh (28)
Librarian	Neetika Jindal (15) Amritpal Kaur (20) Harpreet Singh (37)
Lab Incharge	Rupinder Kaur (6) Rajneet Kaur (14) Manpreet Singh (33)
Publicity Incharge	Jaswinder Kaur (03) Mandeep Kaur (09) Gurpreet Singh (26)

Activities (Session 2017-18)

Skill in Teaching and Teaching Aid Preparation Competitions- The member representatives of Madam Marie Club participated in PU Zonal Skill in Teaching and Teaching Aid Preparation Competitions held at Malwa Central College of Education, Ludhiana 6th February, 2018. Ms. Gurpreet Kaur (206) participated in **On-the-Spot Teaching Aid Preparation Competitions** and secured **First place** in this category.

Subject Seminar- Subject seminars were conducted during the session 2017-18 in Semester II (Every Second Saturday) on the various topics of relevance of Class IX & X. The science club members, composed of students from the pedagogy subject of Science, chose the Topics

prepared and presented the content in simulation and submitted the supporting material in the form of assignment to the subject teacher.

Workshop on Teaching Aid Preparation- Workshop on teaching Aid preparation competition was conducted in the campus for B.Ed Semester III. All the pedagogy students were guided to prepare models and improvised apparatus relevant to their subject. It was made compulsory for every Science student (member) to participate in it. The preparation session continued for nearly a week in the month of January 2018, prior to the Zonal Inter Zonal Level Competitions.

Workshop on instructional objectives (Bloom's Taxonomy and Mager's Approach)-As per the requirement of professional competence of teachers, pupil teachers are to be given sufficient expertise and practice in framing instructional objectives in Pedagogy of Science. A workshop was organized in the second week of November, to facilitate students with the skill of framing instructional objectives according to Bloom's Taxonomy and its revised form. The workshop on writing instructional objectives according to Bloom's Taxonomy continued again in the fourth week of November to give practice of writing the entry behaviour objectives using Mager's **Approach**.

Demonstration lessons by subject Experts-One of the regular and imperative activity of the club to be conducted prior to sending Science students for Internship is Demonstration Lesson by the teacher incharge. In 2017 -18, besides the subject teacher incharge, an alumnus of the college Mr Sameer Sood, presently a Science Lecturer at Police DAV School, Ludhiana (who was a winner of Skill in Teaching Competition at Zonal as well as Inter Zonal Level) shared his expertise regarding teaching and gave a demonstration lesson to the Science students on Ozone Layer Depletion -Causes and its Effects.

Session 2018-19

Patron	Dr. Sarbjit Kaur Ranu
Sponsor	Dr. Manu Chadha Dr. Guneet Toor
Chairperson	Misha (242)
Secretary	Prabhdeep Kaur (201)
Assistant Secretary	Sumanjeet Kaur (218)
Treasurer	Aman Bansal (204)
Librarian	Gurpreet Kaur (211)
Lab Incharge	Jagroop Singh (222) Shivangi (223) Gurdeep Singh (227)
Publicity Incharge	Gurjeet Singh (230) Manpreet Kaur (232) Sakshi Sharma (237)

Activities (Session 2018-19)

Organization of Zonal Skill in Teaching and Teaching Aid Preparation Competitions-The science club of the college coordinated with the organizing team of the college for PU Zonal Skill in Teaching and Teaching Aid Preparation Competitions in the smooth conduct of the event. The members of the club performed varied duties like setting classes for Skill in teaching, venue for Teaching Aid Preparation competition for various Subjects-Science, Life Science, Economics, Maths, Commerce, collaborating with students of schools etc.

Skill in Teaching and Teaching Aid Preparation Competitions- The member representatives of Madam Marie Club participated in Panjab University Zonal Skill in Teaching and Teaching Aid Preparation Competitions in the subjects of Physical Science, Life

Science held at G.H.G Khalsa College of Education, Gurusar Sadhar 24 January, 2019. Ms. Rupinder Kaur (584) secured **Second place** in **Skill in Teaching Competitions** in Physical Science category. Ms. Pawanpreet Kaur (509) bagged the **First position in On-the-Spot Teaching Aid Preparation Competitions** (Science-Life Science) and Ms Mandeep Kaur (510) participated in **Skill in Teaching Competitions** in Life Science category.

On the Spot Teaching Aid Preparation Competitions- The winners of Zonal Level competitions competed at the Inter- zonal competition for Skill in Teaching and Teaching Aid Preparation Competitions held at Malwa Central College of Education, Ludhiana on February 2, 2019. Ms. Pawanpreet Kaur (509) got **Second position** in **On-the-Spot Teaching Aid Preparation Competitions** (Science-Life Science).



Regular annual feature:

- Workshop on instructional objectives (Bloom's Taxonomy and Mager's Approach)
- Demonstration Lesson by Experts Mr Sameer Sood, presently a Science Lecturer at Police DAV School, Ludhiana (who was a winner of Skill in Teaching Competition at Zonal as well as Inter Zonal Level) shared his expertise regarding teaching and gave a demonstration lesson to the Science students on Ozone Layer Depletion -Causes and its Effects on 10.07.2019.

Session 2019-20

Patron	Dr. Sarbjit Kaur Ranu
Sponsor	Dr. Manu Chadha & Dr. Guneet Toor
Chairperson	Bindia Jhanji (150)
Secretary	Gurpreet Kaur (106)
Assistant Secretary	Manpreet Kaur (116)
Treasurer	Sultana (164)
Librarian	Sukhpreet Kaur (126)
Lab Incharge	Jasleen Kaur (110) & Jaskiran Kaur (135)
Publicity Incharge	Daljeet Kaur (104), Nagma Roohe (147) & Harmanpreet Singh (163)

Activities (Session 2019-20)

Skill in Teaching and Teaching Aid Preparation Competitions - The science club representatives participated in Panjab University Zonal Skill in Teaching and Teaching Aid Preparation Competitions at Nankana Sahib College of Education, Kot Gangu Rai, Ludhiana, on February 10, 2020 respectively. Ms Richa Kalra (253) represented the club in the **Skill in Teaching Competition in the subject of Science while** Ms. Amanjot Kaur (269) represented in **On the Spot Teaching Aid Preparation Competitions (Science-Physical Science) and bagged the Second Position.**

Panjab University Zonal Skill in Teaching and Teaching Aid Preparation Competitions- The winners of Zonal level competition for Skill in Teaching and Teaching Aid Preparation Competitions participated at the inter zonal level at Doraha College of Education, Doraha on February 20, 2020. Ms. Amanjot Kaur (269) participated in **On the Spot Teaching Aid Preparation Competitions (Science-Physical Science).**

Regular annual feature:

- Workshop on instructional objectives (Bloom's Taxonomy and Mager's Approach)
- Demonstration Lesson by Experts John Nixon, an alumnus of the college and currently Science Lecturer at Sacred Heart Convent School, Jagraon shared his expertise. He gave a demonstration lesson on the topic -Friction.

Session 2020-21

Patron	Dr. Pargat Singh Garcha
Sponsor	Dr. Manu Chadha
Chairperson	Jaspreet Kaur (203)
Secretary	Gurpreet Kaur (225)
Assistant Secretary	Shefali Mehra (221)
Treasurer	Nisha Rani (229)
Librarian	Anu Priya (252)
Lab Incharge	Harkiran Kaur (243) Jagdeep Singh (236)
Publicity Incharge	Amandeep Kaur (255) Balpreet Kaur (256) Arshdeep Kaur (261)

Activities (Session 2020-21)

Celebration of National Science Day- Madame Marie Curie Science Club and Computer Science Department of the college celebrated National Science Day on March 1, 2021. All the students of B.Ed Semester I and Semester III participated in the programme with full enthusiasm. Students expressed their views on the Role of Science in Education, Impact of Science in the field of Agriculture and Medicine, Artificial Intelligence- Its Role in daily life of Human and wonders of Science etc. <https://youtu.be/L6HOuL6m7G8>

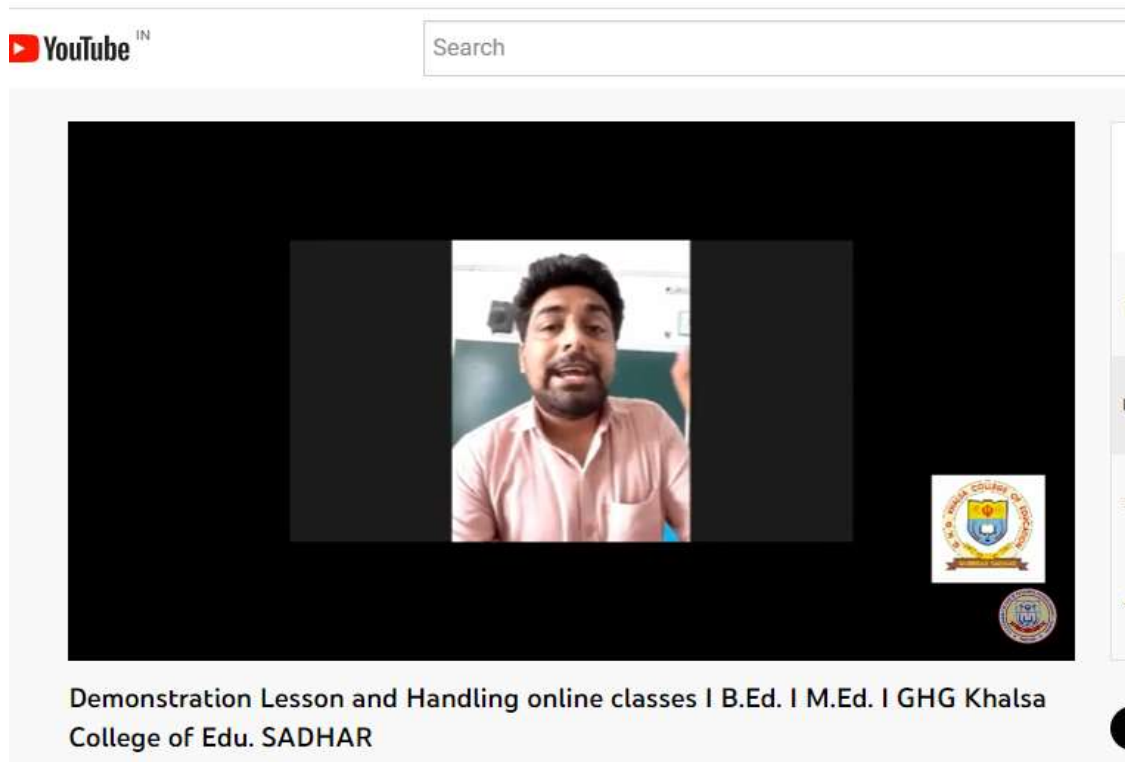


Regular annual feature:

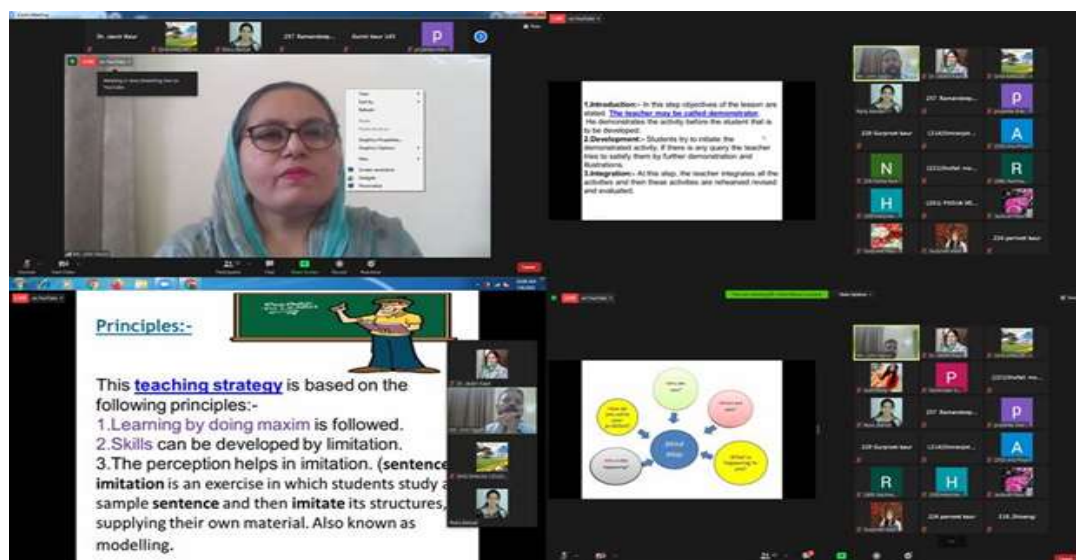
- Workshop on instructional objectives (Bloom's Taxonomy and Mager's Approach)
- Demonstration Lesson by Experts Ms Manpreet Kaur, an alumnus of the college and currently Science Lecturer at GHG Khalsa Collegiate School, Gurusar Sadhar shared her expertise. She gave a demonstration lesson on the topic –Reflection of Light on 10.10.2021 and
- YouTube link for the same is <https://youtu.be/XqnJBMtPwuY>



- Mr. Sameer Sood, Alumni of Pedagogy of Science and currently working as Biology teacher, Police D.A.V. Public School, Ludhiana in **Skill enhancement Programme** and deliberated on the topic **Demonstration Lesson and Handling online Classes** on 30.03.2021 &
- https://youtu.be/LEVhJjf_hVA



- Mr. John Nixon, Alumni of Pedagogy of Science and currently working at Sacred Heart convent school, Jagraon in **Finishing school programme** and deliberated on the topic **Nuances of Good Demonstration Lesson** on 06.07.2021
- <https://youtu.be/gF6RtFKB7FU>



Session 2021-22

Patron	Dr. Pargat Singh Garcha
Sponsor	Dr. Manu Chadha
Chairperson	Tanvi Sharma (315)
Secretary	Manjot Kaur (317)
Assistant Secretary	Rajdeep Kaur (301)
Treasurer	Harneet Kaur (332)
Librarian	Deepali Bajaj (319)
Lab Incharge	Gagandeep Kaur (320) Uttampreet Singh (322)
Publicity Incharge	Prabhjot Kaur (336) Prabhjot Singh (343) Gurjinder Singh (323)

Activities (Session 2021-22)

Efforts to promote Unity of the Nation (National Unity Day celebrations) and Sustainability of Environment (Green Diwali celebrations)- B.Ed interns (semester-III, session 2020-21) of GHG Khalsa College of Education promoted Green Diwali celebrations in practicing schools and also celebrated the National Unity Day to commemorate the Birth anniversary of S. Vallabhbhai Patel the great freedom fighter and former Deputy Prime Minister of India (in lieu of his birthday on October 31, 2021). The increasing pollution and declining quality of air is posing real health challenges and raising concerns on sustenance of life on earth. The situation turns all the graver during the month of November when stubble burning followed by burning of crackers during Diwali leads to thick layers of smog especially in rural parts of Punjab. Therefore to create awareness among the rural folk especially the student population, B.Ed interns were encouraged to organize celebrations to promote Green Diwali and also to advise rural people to discourage stubble burning. Along with Green Diwali celebrations, the B.Ed pupil teachers also shared the message of National Unity by paying tribute to Sardar Vallabhai Patel.

School wise report of celebrations

Camp Khalsa Senior Secondary School, Ajitsar Mohie- Science Club members Simranjot Kaur (214) and Harpinder Kaur (291) under the guidance of school teachers organized celebrations on Diwali and promotion of Green Diwali in the school on November 3, 2021 a day before the Diwali festival. They also organized the morning assembly of the school as a part of their internship programme which was followed by a group discussion by class IX on Diwali, its importance and the different ways of celebrations. A student of class X, Armandeep recited an applaud able poem on the harmful effects of cracker burning during the festival. The B.Ed interns also prepared posters on how to celebrate green diwali, which were exhibited during these celebrations. A tribute in the form of speeches and poems was paid to the great freedom fighter and leader Sardar Vallabhbhai Patel. An interclass competition was held in which Class IX students bagged the title of -best decorated class. Mrs Chandan, Principal of the school addressed the students at the end and congratulated all the participants especially the B.Ed trainees for the successful organization of the celebrations.

Government Senior Secondary School, Boparai Kalan- B.Ed interns Pooja Verma (201), Arashpreet Kaur (202)(Science club representative) and Lovepreet Kaur (242) also organized Green Diwali celebrations in GSSS, Boparai Kala on November 2, 2021. A greeting card making competition on the theme of Green Diwali was held for the students of class VI to VIII. The students enthusiastically participated in the event. Prizes were awarded to the best entries. The interns also spoke about the real purpose of celebrating Diwali and ways and means to make it green. The national Unity Day was also celebrated by paying homage to Sardar Vallabhbhai Patel. The students were motivated to plant at least one sapling each on the day of Diwali thus making it green in the true sense.

Sant Sunder Singh Senior Secondary School, Boparai Kalan- The teacher trainees namely, Balpreet Kaur (256), Amandeep Kaur (255) and Parneet Kaur (224) all three represented Science club and took the initiative of organising Green Diwali and National Unity day celebrations in their practicing school on November 3, 2021. In addition to sharing speeches and poems paying tribute to the great leader Sardar Vallabhbhai Patel, various competitions were organised for the massive participation of all the students of the school. Diya making competition was held for classes I to V, classroom decoration competition for Classes VI to VIII and rangoli making competition for classes IX and X were organized in which school students participated enthusiastically. The winners were awarded prizes Mrs.Gurjeet Kaur, Principal of the school addressed the students at the end and congratulated all the participants especially the B.Ed trainees for the successful organization of the celebrations.



One Day International Workshop (Online) “Fabrication through Recycling”
INTERNATIONAL EARTH DAY- GHG Khalsa College of Education, Gurusar Sadhar, Ludhiana in collaboration with Madam Marie Curie Club organised an International workshop on “Fabrication through recycling” on the occasion of International Earth Day on April 22, 2022 through online mode. The resource person for the workshop was Ms. Paula Sofia, an Environmentalist and a freelancer artist from Duitama, Columbia who has dedicated herself for the cause of saving earth. She works on old used material especially cotton t-shirts and the like fabric and converts them into beautiful home décor and usable items like curtains, flower pot holders, bags etc. The artist conducts training workshops for children and adults so that her message to preserve the environment is spread in the community. The workshop was

undertaken with a purpose of encouraging the future teachers of India to work for sustainable development and saving the planet. The workshop was also a medium of cultural exchange of art between India and Columbia.

