

**St. Cecilia's Public School**  
**Scientia Club Activities (Report)**  
**Session 2024-25**

The Scientia Club aims to foster a scientific temperament, curiosity, and innovation among students through engaging activities and events. Our objectives include:

- Promoting scientific literacy and awareness
- Encouraging critical thinking and problem-solving skills
- Inspiring innovation and creativity
- Developing teamwork and communication skills
- Providing opportunities for hands-on experience and experimentation
- Fostering environmental responsibility and sustainability
- Celebrating national and international science days
- Collaborating with experts and institutions
- Recognizing and rewarding scientific talent
- Creating a community of young scientists and thinkers

**Here are the reports for each activity:**

**Explaining and Demonstrating Different Types of Cells and Batteries**

**Objective:**

1. To educate students about various types of cells and batteries, enhancing their understanding of scientific concepts.
2. Date: April 2024
3. Activity: Demonstrations and explanations of different cells and batteries, including their power ratings and applications.
4. Participation: Students of classes IX-XII attended the session, actively participating in the demonstrations and asking questions.
5. Outcome: Students gained hands-on experience and knowledge about cells and batteries, developing their critical thinking skills.
6. Feedback: Positive feedback from students and teachers, appreciating the interactive and informative session.
7. Conclusion: The activity achieved its objective, enhancing students' understanding of cells and batteries, and inspiring their curiosity in scientific exploration.

## **Inter-School PowerPoint Presentation on Combating Climate Change**

- 1. Objective:** To raise awareness about climate change, promoting environmental responsibility and inspiring innovative solutions.
- 2. Date:** May 8, 2024
- 3. Activity:** Inter-school PowerPoint presentation competition, where students showcased their knowledge and ideas on combating climate change.
- 4. Participation:** Students from various schools participated, demonstrating their teamwork and presentation skills.
- 5. Outcome:** Students presented innovative solutions, highlighting the importance of collective action in addressing climate change.
- 6. Feedback:** Appreciation from participants, judges, and audience, acknowledging the event's success in raising awareness about climate change.
- 7. Conclusion:** The event successfully raised awareness about climate change, inspiring students to become environmentally conscious and innovative problem-solvers.

## **CBSE Science Challenge Competition**

- 1. Objective:** To promote scientific knowledge, critical thinking, and problem-solving skills among students, aligning with the CBSE curriculum.
- 2. Date:** April 23, 2024
- 3. Activity:** Competitive science quiz for students, testing their knowledge and skills in various scientific disciplines.
- 4. Participation:** Students from classes IX-XII participated, demonstrating their scientific aptitude and competitive spirit.
- 5. Outcome:** Students showcased their scientific knowledge, critical thinking, and problem-solving skills, developing their confidence and competitive edge.
- 6. Feedback:** Positive feedback from participants and teachers, appreciating the challenging and engaging competition.

**7. Conclusion:** The competition achieved its objective, promoting scientific literacy, critical thinking, and problem-solving skills among students.

## **Pop-Up Boat Activity for VI-VIII Classes**

**1. Objective:** To introduce engineering principles, design thinking, and problem-solving skills to students, promoting STEM education.

**2. Date:** August 2024

**3. Activity:** Hands-on pop-up boat building activity, where students designed, built, and tested their boats.

**4. Participation:** Students from classes VI-VIII participated, actively engaging in the design and building process.

**5. Outcome:** Students learned about buoyancy, engineering design, and problem-solving, developing their critical thinking and teamwork skills.

**6. Feedback:** Positive feedback from students and teachers, appreciating the engaging and interactive activity.

**7. Conclusion:** The activity successfully introduced students to engineering principles and design thinking, inspiring their curiosity and creativity in STEM fields.

## **Painting Competition on National Space Day**

**1. Objective:** To encourage creativity, artistic expression, and interest in space exploration among students, celebrating National Space Day.

**2. Date:** August 22-23, 2024

**3. Activity:** Painting competition for students, where they showcased their artistic skills and creativity inspired by space exploration.

**4. Participation:** Students from classes IX-XII participated, demonstrating their artistic talent and imagination.

**5. Outcome:** Students created impressive artwork, highlighting their creativity and interest in space exploration.

**6. Feedback:** Appreciation from participants, judges, and audience, acknowledging the event's success in promoting creativity and interest in space exploration.

**7. Conclusion:** The competition achieved its objective

## **Awareness Campaign Against Diwali Crackers**

### **1. Objective**

The Scientia Club organized an awareness campaign on October 26-29, 2024, to educate students of classes IX-XII about the harmful effects of burning crackers during Diwali.

### **2. Methodology**

Senior students prepared an informative PowerPoint Presentation (PPT) highlighting the negative impact of Diwali crackers on the environment, human health, and animals. The PPT was presented to students of classes IX-XII in all sections.

### **3. Key Messages**

The PPT presentation covered key messages, including:

- Air and noise pollution caused by crackers
- Health risks associated with crackers, such as respiratory problems and injuries
- Environmental damage, including waste generation and harm to animals
- Alternative eco-friendly ways to celebrate Diwali

### **4. Student Participation**

The senior students' PPT presentation was well-received by the audience. Students of classes IX-XII actively participated in the discussion, asking questions and sharing their thoughts on the issue.

## **5. Outcome**

The awareness campaign achieved its objective of educating students about the harmful effects of Diwali crackers. Students demonstrated a better understanding of the issue and expressed their willingness to celebrate Diwali in an eco-friendly manner.

## **6. Feedback**

The feedback from students and teachers was overwhelmingly positive. The campaign was praised for its informative content, engaging presentation, and timely relevance.

## **7. Future Plans**

The Scientia Club plans to continue its awareness campaign in the future, exploring other environmental and social issues relevant to students. The club aims to inspire students to become responsible citizens and promote sustainable practices in their daily lives.