

**‘H’ WARD SCIENCE EXHIBITION 2015 – 2016**

**Organised By**

**EDUCATION INSPECTOR (WEST ZONE), CONVENORS  
AND HEADS OF SCHOOL FROM ‘H’ WARD**

**To,**

**The Head Master / Mistress**

**A meeting of the Ward Convener Smt. Prema Kotian, Co-Conveners along with Mrs Jasmine Lobo, Principal of St. Mary’s High School & Jr College was held on Monday, 21<sup>st</sup> September 2015 at St. Mary’s High School & Jr. College, Kalina , Santacruz East, Mumbai. The following decisions were taken:**

**1) VENUE: The Venue for the ‘H’ Ward Science Exhibition 2015 – 2016 is St. Mary’s High School & Junior College, Kalina , Santacruz East, Mumbai - 400 029. Contact No: 26660548.**

**2) SCHEDULE: Date: Wednesday 2<sup>nd</sup>, Thursday 3<sup>rd</sup> and Friday 4<sup>th</sup> December 2015**

**Time: 10.00 to 4.00 pm.**

**3) MAIN THEME: Science and Mathematics for Inclusive Development**

**Sub Themes: 1. Health, Nutrition & Cleanliness.**

**2. Resource Management.**

**3. Industry**

**4. Agriculture & Food Safety**

**5. Disaster Management**

**6. Mathematics for a Quality Life**

**4) PARTICIPATION:**

<b>Sr.No</b>	<b>Group</b>	<b>Subject</b>	<b>Participants</b>	<b>No. of Projects</b>
<b>1</b>	<b>Upto upper primary level</b>	<b>1 Project from each school of class 5<sup>th</sup> to 8<sup>th</sup>.</b>	<b>Students of class 5<sup>th</sup> to 8<sup>th</sup>.</b>	<b>1 (2 Students and 1 Guide Teacher) Fill Proforma 1</b>
<b>2</b>	<b>Upto secondary and higher secondary level.</b>	<b>1 Project from each school from class 9<sup>th</sup> to 12<sup>th</sup></b>	<b>Students of class 9<sup>th</sup> to 12<sup>th</sup></b>	<b>1 (2 Students and 1 Guide Teacher) Fill Proforma II</b>
<b>3</b>	<b>Teaching Aid (Junior group )</b>	<b>Teaching aid of Maths/ Science.</b>	<b>Teachers teaching from class V to VIII</b>	<b>1 Fill Proforma III</b>
<b>4</b>	<b>Teaching Aid ( Senior Group )</b>	<b>Teaching aid of Maths/ Science.</b>	<b>Teachers teaching from class IX to XII.</b>	<b>1 Fill Proforma IV</b>
<b>5</b>	<b>Population Education</b>	<b>Project by Teachers Only. Skit is allowed. Min 6 &amp; Max 8 students</b>	<b>Teachers teaching from class V to VIII.</b>	<b>1 Fill Proforma V</b>
<b>6</b>	<b>Population Education</b>	<b>Project by Teachers. Only Skit is allowed. Min 6 &amp; Max 8 students</b>	<b>Teachers teaching for class IX &amp; X</b>	<b>1 Fill Proforma VI</b>
<b>7</b>	<b>Continuing Education</b>	<b>Projects/ Charts/ Toys / Skit by Teachers only.</b>	<b>Teachers teaching for class 5<sup>th</sup> to 12<sup>th</sup></b>	<b>1 Fill Proforma VII</b>
<b>8</b>	<b>Science Teaching Aid (Model)</b>	<b>Project by Lab assistant.</b>	<b>Lab Assistant / Lab Attendant</b>	<b>1 Fill Proforma VIII</b>
<b>9</b>	<b>Nature Club</b>	<b>Entry should be sent in the given Format on 30<sup>th</sup> Oct. 2015 to St. Mary's High School &amp; Jr. College, Kalina , Santacruz East, Mumbai.</b>	<b>Evaluation will be done in the respective schools</b>	<b>2 Students with the file containing the activities done in the club. Fill Proforma IX</b>
<b>10</b>	<b>Science Club</b>	<b>Entry should be sent in the given Format on 30<sup>th</sup> Oct. 2015 to St. Mary's High School &amp; Jr. College, Kalina , Santacruz East, Mumbai.</b>	<b>Evaluation will be done in the respective schools</b>	<b>2 Students with the file containing the activities done in the club. Fill Proforma X</b>

**\* Evaluation of the Science Project will be done on the following guidelines :**

1) Involvement of Children's Own Creativity and Imagination	20marks
2) Originality /Innovations in the Exhibit / Model	15 marks
3) Scientific Thought / Principle	15 marks
4) Technical Skills / Workmanship / Craftsmanship	15 marks
5) Utility for Society, Scalability	15marks
6) Economic ( Low cost / Portability / Durability )	10 marks
7) Presentation - Demonstration, Explanation & Display	10marks
<b>Total</b>	<b>100 Marks</b>

**\*A school can send maximum of 10 entries.**

**\*NOTE : Science Exhibition Contribution of Rs 3000/- plus Exhibition fee according to the strength of the school should be sent to the venue school on 30<sup>th</sup> Oct. 2015 between 08.00am to 12.00 noon. The fees can be paid in cash or cheque . Cheque can be drawn in favour of " H WARD SCIENCE EXIBITION COMMITTEE."**

<u>Strength</u>	<u>Amount</u>
Above 2000	500
1500 – 2000	400
1000 – 1500	300
500 – 1000	250
Below 500	200

- Rotating Trophies should be sent to St. Mary's High School & Jr. College, Kalina , Santacruz East, Mumbai on 26<sup>th</sup>. Oct. 2015.
- **ENTRY FORMS:** Entry forms of the exhibits in duplicate must be submitted at the venue school on 30<sup>th</sup> October,2015 between 9.00 am to 2.00 pm. Entries will not be accepted thereafter.

### **Pratibimb E-Science Magazine:**

We will create Flip Book (e-magazine) as last year, which is an Interactive magazine that recreates the look and feel of actual books or magazines on the screen. And much more... all kind of multimedia content like video and audio and interactive forms, games and quiz are supported. This Interactive magazine is a perfect way to showcase our books online; and to offer them as additional digital option! Several advantages like fast search, personal bookmarks, printouts of selected pages and more help to increase comfort and acceptance. On top of the natural feeling, this Flip Book is the way to go if we want to present styled text, photos, videos, animations, audio and more...!

<b>Requirement</b>	<b>Description</b>
<b>Article by each school</b>	<b>At least one (text with photo, video &amp; audio)</b>
<b>Language</b>	<b>English/Marathi/Hindi/Urdu/Guajarati or any other state language if required.</b>
<b>Theme</b>	<b>Based on main theme / sub themes of the science exhibition or any other topic related to science.</b>
<b>File</b>	<b>DTP with editing, formatting, back ground colour etc</b>
<b>Article sent by mail</b>	<b>sabapatel2010@gmail.com (Open file &amp; JPEG file)</b>
<b>Last date</b>	<b>5<sup>th</sup> Nov.2015</b>
<b>For any details contact</b>	<b>Ms. Nasreen Shaikh(9324185070) Programme Cordinator.</b>

**Note: Pratibimb E-Science Magazine will be prepared with the help of Campus-One Education Solutions Pvt. Ltd**

- **‘H’ WARD GALLERY –**  
Every school should prepare ONE laminated vertical chart size flex displaying the innovative science activity of their respective school and submit it to the venue school (St. Mary’s High School & Jr. College, Kalina , Santacruz East, Mumbai.) on 30<sup>th</sup> November 2015 between 10am.am to 1pm.
- **EXHIBITS :** The exhibits must be submitted at the Venue School on 1<sup>st</sup> December 2015 between 08.00am to 12.00 noon.  
**NOTE:** A brief description of the Exhibit with photograph should be submitted at the venue school on 1<sup>st</sup> Dec. 2015

**ATTENTION :**

- 1) Previous years exhibits of the science exhibition or the exhibit made for the inspire award should not be repeated for the science exhibition.
- 2) Avoid use of plastics and thermocole for all exhibits and model.
- 3) All Exhibits should be displayed completely on all three days with the students.
- 4) If any Project is found to be repeated or not displayed kindly inform the Principal of the venue school in writing on the first day of the exhibition

## COMPETITIONS

Sr. No	Competition	Date & Time	Venue	Duration	Eligibility
1	<b>Elocution Competition</b> ( V to VIII ) ( IX to X )	30 <sup>th</sup> November, 2015 Monday 9.00am	Mary Immaculate Girl's High School, Kalina	3 minutes only	All Medium, Only One student per school in each category in the medium of instruction. Note: Entries must be submitted to the venue school on <u>5th November,2015.</u> <u>Fill Proforma- XI</u>
2	<b>Essay Competition</b> (300 Words) ( V to VIII ) ( IX to X )	30 <sup>th</sup> November, 2015 Monday 9.00am	Mary Immaculate Girl's High School, Kalina	1 Hour only	All Mediums, Only One student per school in each category in the medium of instruction. Note: Entries must be submitted to the venue school on 5th November,2015. <u>Fill Proforma- XII</u>
3	<b>Quiz Competition</b> ( V to VIII ) ( IX to X )	1 <sup>st</sup> December 2015 Tuesday 9.00am	St. Charles Girl's High School, Vakola.		Students (All Mediums) Only Two student per school in each category in the medium of instruction. Note: Entries must be submitted to the venue school on <u>5<sup>th</sup> November , 2015</u> <u>Fill Proforma- XIII</u>
4	<b>Teachers Quiz</b>	30th November, 2015 Monday 9.00am	St. Teresa's Convent High School, Sanataacruz West		Only two teacher per School. Note: Entries must be submitted to the venue school on <u>5<sup>th</sup> November,2015</u> <u>Fill Proforma- XIV</u>
5	<b>Science Play</b>	1 <sup>st</sup> December 2015 Tuesday 9.00am	Indian Airlines Kalina	10 minutes	8 students and 2 teachers (as guides). Note: Entries must be submitted to the venue school on or before <u>5th November,2015</u> <u>Fill Proforma- XV</u>

Proforma's for the competition should be submitted to the venue school.

**TOPICS :**

TOPIC			
Sr.No	Competition	Topic for Junior Group V to VIII	Topic for Senior Group IX to X
1	Elocution Competition	Reduce Plastic, Preserve Soil	My Role in Creating and Conserving Water Resources.
2	Essay Competition	School Bag – Whose Responsibility is it anyway!	Impact of Global Warming on Soil
3	Science Play	Topic	Scheme of Marking:
		Science and Society : 1) Recycling for a Greener Future. 2) Food, Nutrition and Health. 3) Life and Works of Scientists. 4) Harnessing Renewable energy.	Presentation of Drama      50 marks Science content in the Drama.                              30 marks Effectiveness of the Drama.                              20 marks Total                                      100 marks

**RULES :**

Sr.No	Competition	Rules
1	<b>Quiz Competition for students.</b> <b>Topic : Contribution of Science from 2004 Onwards.</b>	1. The First part of the quiz is written competition where the participants have to answer 20 objective questions in 30 minutes. (2 participants of each school will attempt 1 question paper jointly). The top 3 groups from the written round will be selected for the oral round.  2. These groups will participate in the oral quiz in 4 rounds. 1st Round: Non passing – Each group has to answer 2 questions of 10 marks each. The time duration for each question is 30 seconds. 2nd Round: It is the same as the 1st Round except if a group fails to answer, the question will be passed on to the other groups with the time duration and the marks being reduced. (1st attempt 10 marks, thereafter subsequent passes 6 marks, 4 marks and 2 marks respectively). 3rd Round: Visual Round (non passing) – Each group has to answer two questions of 10 marks each with the help of the visual display. 4th Round: Rapid fire round: Each group will be asked a maximum of 10 questions in 30 seconds. (Each question carries 1 mark)
2	<b>Teachers Quiz</b>  <b>Science &amp; Mathematics for Inclusive Development</b>	1. The First part of the quiz is written competition where the participants have to answer 20 objective questions in 30 minutes. (2 participants of each school will attempt 1 question paper jointly). The top 3 or 4 groups from the written round will be selected for the oral round. 2. These groups will participate in the oral quiz in 4 rounds. 1st Round: Non passing – Each group has to answer 2 questions of 10 marks each. The time duration for each question is 30 seconds. 2nd Round: It is the same as the 1st Round except if a group fails to answer, the question will be passed on to the other groups with the time duration and the marks being reduced. (1st attempt 10 marks, thereafter subsequent passes 6 marks, 4 marks and 2 marks respectively). 3rd Round: Visual Round (non passing) – Each group has to answer two questions of 10 marks each with the help of the visual display. 4th Round: Rapid fire round: Each group will be asked a maximum of 10 questions in 30 seconds. (Each question carries 1 mark)

Results of Essay, Elocution, Quiz and Science Play should be mailed to [kotianprema@yahoo.com](mailto:kotianprema@yahoo.com),

Schedule of Workshops/ Seminars during Science Exhibition will be at St. Mary's High School & Jr College, Kalina , Santacruz East.

Sr.No	Date	Time	Participants	Subject
1	2 <sup>nd</sup> Dec.2015	2.30 pm to 4 pm	Students and Teachers	Lets deal with E-Waste Awareness
2	3 <sup>rd</sup> Dec. 2015	11.00 a.m to 1 pm	5 Teachers from each school	Talk by Dr .Harish Shetty
3	4 <sup>th</sup> Dec. 2015	10.00 a.m to 11.30am	10 students of Std. IX & X.	Talk by Dr. Tushar Guha On Personality Development.

**Time Schedule for Visiting the Exhibition**

- |                      |                                |                      |
|----------------------|--------------------------------|----------------------|
| 1) Bandra / Khar (E) | 2 <sup>nd</sup> December, 2015 | 1.30p.m to 3.00 p.m  |
| 2) Santacruz (E)     | 2 <sup>nd</sup> December, 2015 | 3.00 p.m to 4.00p.m  |
| 3) Khar ( West)      | 3 <sup>rd</sup> December, 2015 | 10.00 am to 1.00pm   |
| 4) Santacruz (West)  | 3 <sup>rd</sup> December, 2015 | 1.00 p.m to 4.00 p.m |
| 5) Bandra (West)     | 4 <sup>th</sup> December, 2015 | 10.00a.m to 1.00 p.m |

Each School will send 50 students along with their parents and teachers to visit the exhibition. Kindly confirm the number of students visiting and send the list of students at the venue on 01.12.2015.

Smt. Prema Kotian  
(Main Convener)

Shri Uday Pathade  
(A.D.E)