



**SAINIK SCHOOL KALIKIRI**  
**SCIENCE WORKSHOP FOR CLASS X**  
**15 Sep 2018 to 17 Sep 2018**

Date	Time	XA	XB	XC
15- Sep 2018	0930h- 1130h	<b><u>PHYSICS</u></b> 1. Electricity 2. Magnetic effects if electric current 3. Light - Reflection in spherical mirrors - Refraction in spherical lenses - Ray diagrams( mirrors, lenses, prism, glass slab) 4. Human eye <b>Dr BN Das</b>	<b><u>BIOLOGY</u></b> 1. Life Sciences 2. Control & Coordination 3. Parts & functions of brain 4. DNA replication 5. Structure & working of Nephron <b>Dr Mrinal Mukherjee</b>	<b><u>CHEMISTRY</u></b> 1. Chemical reaction & Equation - Oxidation & Reduction - Activity series - Types of reaction - Valency 2. Functional groups 3. Periodic table <b>Dr ArindamRana</b>
	1145h- 1345h	<b><u>CHEMISTRY</u></b> 1. Chemical reaction & Equation - Oxidation & Reduction - Activity series - Types of reaction 2. Acid, Base & Salt - How indicator works - Basic of pH scale Crystal of salt <b>Dr ArindamRana</b>	<b><u>PHYSICS</u></b> 1. Electricity 2. Magnetic effects if electric current 3. Light - Reflection in spherical mirrors - Refraction in spherical lenses - Ray diagrams( mirrors, lenses, prism, glass slab) 4. Human eye <b>Dr BN Das</b>	<b><u>BIOLOGY</u></b> 1. 1. Life Sciences 2. Control & Coordination 3. Parts & functions of brain 4. DNA replication 5. Structure & working of Nephron <b>Dr Mrinal Mukherjee</b>
	1500h- 1700h	<b><u>BIOLOGY</u></b> 1. Life Sciences 2. Control & Coordination 3. Parts & functions of brain 4. DNA replication 5. Structure & working of Nephron <b>Dr Mrinal Mukherjee</b>	<b><u>CHEMISTRY</u></b> 1. Chemical reaction & Equation - Oxidation & Reduction - Activity series - Types of reaction 2. Acid, Base & Salt - How indicator works - Basic of pH scale Crystal of salt <b>Dr ArindamRana</b>	<b><u>PHYSICS</u></b> 1. Electricity 2. Magnetic effects if electric current 3. Light - Reflection in spherical mirrors - Refraction in spherical lenses - Ray diagrams( mirrors, lenses, prism, glass slab) 4. Human eye <b>Dr BN Das</b>



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16- Sep 2018	0930h- 1130h	<p style="text-align: center;"><b><u>PHYSICS</u></b></p> 1. Numerical class X - Electricity - Light 2. Numerical class IX - Motion - Gravity - Work, Energy <b>Dr BN Das</b>	<p style="text-align: center;"><b><u>BIOLOGY</u></b></p> 1. Nastic movements in plants 2. Animal kingdom- Class 9 3. Evolution & Classification 4. Photosynthesis – Dark & Light reaction 5. Excretion in plants <b>Dr Mrinal Mukherjee</b>	<p style="text-align: center;"><b><u>CHEMISTRY</u></b></p> 1. Acid, Base & Salt - How indicator works - Basic of pH scale - Crystal of salt 2. Nomenclature of carbon compounds 3. Electrolysis <b>Dr ArindamRana</b>
	1145h- 1345h	<p style="text-align: center;"><b><u>CHEMISTRY</u></b></p> 1. Chemical reaction & Equation - Oxidation & Reduction - Activity series - Types of reaction 2. Acid, Base & Salt - How indicator works - Basic of pH scale - Crystal of salt <b>Dr ArindamRana</b>	<p style="text-align: center;"><b><u>PHYSICS</u></b></p> 1. Numerical class X - Electricity - Light 2. Numerical class IX - Motion - Gravity - Work, Energy <b>Dr BN Das</b>	<p style="text-align: center;"><b><u>BIOLOGY</u></b></p> 1. Nastic movements in plants 2. Animal kingdom- Class 9 3. Evolution & Classification 4. Photosynthesis – Dark & Light reaction 5. Excretion in plants <b>Dr Mrinal Mukherjee</b>
	1500h- 1700h	<p style="text-align: center;"><b><u>BIOLOGY</u></b></p> 1. Nastic movements in plants 2. Animal kingdom- Class 9 3. Evolution & Classification 4. Photosynthesis – Dark & Light reaction 5. Excretion in plants <b>Dr Mrinal Mukherjee</b>	<p style="text-align: center;"><b><u>CHEMISTRY</u></b></p> 1. Chemical reaction & Equation - Oxidation & Reduction - Activity series - Types of reaction 2. Acid, Base & Salt - How indicator works - Basic of pH scale - Crystal of salt <b>Dr ArindamRana</b>	<p style="text-align: center;"><b><u>PHYSICS</u></b></p> 1. Numerical class X - Electricity - Light 2. Numerical class IX - Motion - Gravity - Work, Energy <b>Dr BN Das</b>



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Date	Time	XA	XB	XC
15- Sep 2018	0840h-0920h	As per routine	As per routine	As per routine
	0930h-1130h	<u>PHYSICS</u> Dr BN Das	<u>BIOLOGY</u> Dr Mrinal Mukherjee	<u>CHEMISTRY</u> Dr ArindamRana
	1130h-1145h	<b>Break</b>		
	1145h-1345h	<u>CHEMISTRY</u> Dr ArindamRana	<u>PHYSICS</u> Dr BN Das	<u>BIOLOGY</u> Dr Mrinal Mukherjee
	1345h-1500h	<b>Lunch &amp; Rest</b>		
	1500h-1700h	<u>BIOLOGY</u> Dr Mrinal Mukherjee	<u>CHEMISTRY</u> Dr ArindamRana	<u>PHYSICS</u> Dr BN Das

Date	Time	XA	XB	XC
16- Sep 2018	0930h-1130h	<u>PHYSICS</u> Dr BN Das	<u>BIOLOGY</u> Dr Mrinal Mukherjee	<u>CHEMISTRY</u> Dr ArindamRana
	1130h-1145h	<b>Break</b>		
	1145h-1345h	<u>CHEMISTRY</u> Dr ArindamRana	<u>PHYSICS</u> Dr BN Das	<u>BIOLOGY</u> Dr Mrinal Mukherjee
	1345h-1500h	<b>Lunch &amp; Rest</b>		
	1500h-1700h	<u>BIOLOGY</u> Dr Mrinal Mukherjee	<u>CHEMISTRY</u> Dr ArindamRana	<u>PHYSICS</u> Dr BN Das

Date	Time	XA	XB	XC
17- Sep 2018	0820h-0840h	Special Assembly		
	0930h-1130h	Assimilation/ Consolidation and Closing Remarks		
	1130h-1145h	Departure		

Note: Final schedule will be worked out as per suggestions from resource persons.