

**Class -X**  
**Subject: Mathematics**

Chapters	Links	Solutions
1. Number System	<a href="https://www.youtube.com/watch?v=ByF2q7TENLE&amp;feature=youtu.be">https://www.youtube.com/watch?v=ByF2q7TENLE&amp;feature=youtu.be</a>	<a href="https://www.youtube.com/watch?v=m8eH4jAl-2Q&amp;list=PLNz32RYOjBerwlrXRkb54ge9gaF0zR6-">https://www.youtube.com/watch?v=m8eH4jAl-2Q&amp;list=PLNz32RYOjBerwlrXRkb54ge9gaF0zR6-</a>
2. Polynomials	<a href="https://www.youtube.com/watch?v=5wx-307BDco&amp;feature=youtu.be">https://www.youtube.com/watch?v=5wx-307BDco&amp;feature=youtu.be</a>	
4. Pair of Linear Equations in two variables	<a href="https://www.youtube.com/watch?v=6qJB9bfSMas&amp;feature=youtu.be">https://www.youtube.com/watch?v=6qJB9bfSMas&amp;feature=youtu.be</a>	
5. Quadratic Equations	<a href="https://www.youtube.com/watch?v=xBkHxE3CT-w&amp;feature=youtu.be">https://www.youtube.com/watch?v=xBkHxE3CT-w&amp;feature=youtu.be</a>	
6. Arithmetic Progression	<a href="https://www.youtube.com/watch?v=7V_3YEPcqRQ&amp;feature=youtu.be">https://www.youtube.com/watch?v=7V_3YEPcqRQ&amp;feature=youtu.be</a>	
7. Triangles	<a href="https://www.youtube.com/watch?v=Am4mYSnhflc&amp;feature=youtu.be">https://www.youtube.com/watch?v=Am4mYSnhflc&amp;feature=youtu.be</a>	
8. Circles	<a href="https://www.youtube.com/watch?v=aRMm_RTGqns&amp;feature=youtu.be">https://www.youtube.com/watch?v=aRMm_RTGqns&amp;feature=youtu.be</a>	
9. Construction	<a href="https://www.youtube.com/watch?v=RmA3usXH80M&amp;feature=youtu.be">https://www.youtube.com/watch?v=RmA3usXH80M&amp;feature=youtu.be</a>	
10. Introduction to Trigonometry	<a href="https://www.youtube.com/watch?v=C6ldCIN_idM&amp;feature=youtu.be">https://www.youtube.com/watch?v=C6ldCIN_idM&amp;feature=youtu.be</a>	
	<a href="https://www.youtube.com/watch?v=hrOUoe13f2s&amp;feature=youtu.be">https://www.youtube.com/watch?v=hrOUoe13f2s&amp;feature=youtu.be</a>	
11. Coordinate Geometry	<a href="https://www.youtube.com/watch?v=mOT0K5I56UE&amp;feature=youtu.be">https://www.youtube.com/watch?v=mOT0K5I56UE&amp;feature=youtu.be</a>	
12. Mensuration Surface Areas and Volumes	<a href="https://www.youtube.com/watch?v=hMc_sdcqZuM&amp;feature=youtu.be">https://www.youtube.com/watch?v=hMc_sdcqZuM&amp;feature=youtu.be</a>	
	<a href="https://www.youtube.com/watch?v=BtrEVI7Ixo&amp;feature=youtu.be">https://www.youtube.com/watch?v=BtrEVI7Ixo&amp;feature=youtu.be</a>	
13. Statistics	<a href="https://www.youtube.com/watch?v=gmrWScFo-s&amp;feature=youtu.be">https://www.youtube.com/watch?v=gmrWScFo-s&amp;feature=youtu.be</a>	
14. Probability	<a href="https://www.youtube.com/watch?v=mEkqhex8lel&amp;feature=youtu.be">https://www.youtube.com/watch?v=mEkqhex8lel&amp;feature=youtu.be</a>	

**Class -X**  
**Subject: Science**

<b>CHAPTERS</b>		<b>WEBLINKS</b>
<b>Chapter-1: Periodic Classification of Elements</b>		<a href="https://www.youtube.com/watch?v=bdPzMY5WQL4&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=13&amp;t=374s">https://www.youtube.com/watch?v=bdPzMY5WQL4&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=13&amp;t=374s</a>
<b>Chapter</b>	<b>Topics</b>	<b>WEBLINKS</b>
<b>Chapter -2: Chemical Bonding</b>	<b>Introduction to Chemical Bonding</b>	<a href="https://www.youtube.com/watch?v=ZbUIOR8CTMc">https://www.youtube.com/watch?v=ZbUIOR8CTMc</a> <a href="https://www.youtube.com/watch?v=cwKgHNXRch0">https://www.youtube.com/watch?v=cwKgHNXRch0</a>
	<b>Ionic Bond</b>	<a href="https://www.youtube.com/watch?v=1IFmgFLinVg">https://www.youtube.com/watch?v=1IFmgFLinVg</a>
	<b>Ionic Bonds- Conditions &amp; Examples</b>	<a href="https://www.youtube.com/watch?v=3iwM_l2e6Mk">https://www.youtube.com/watch?v=3iwM_l2e6Mk</a>
	<b>Covalent Bond</b>	<a href="https://www.youtube.com/watch?v=LkAykOv1foc">https://www.youtube.com/watch?v=LkAykOv1foc</a> <a href="https://www.youtube.com/watch?v=EE-N8z-Q528">https://www.youtube.com/watch?v=EE-N8z-Q528</a>
	<b>Covalent Compounds-Polar &amp; non-polar</b>	<a href="https://www.youtube.com/watch?v=kplQz55-GtA">https://www.youtube.com/watch?v=kplQz55-GtA</a>
	<b>Characteristics of Ionic &amp; Covalent Compounds</b>	<a href="https://www.youtube.com/watch?v=kplQz55-GtA">https://www.youtube.com/watch?v=kplQz55-GtA</a>
	<b>Coordinate Bond</b>	<a href="https://www.youtube.com/watch?v=026KzA6pFAY">https://www.youtube.com/watch?v=026KzA6pFAY</a>
	<b>Bonding in Metals</b>	<a href="https://www.youtube.com/watch?v=FkXUTYhtd5Q">https://www.youtube.com/watch?v=FkXUTYhtd5Q</a>
<b>Chapter-3: Acids Bases and Salts</b>		<a href="https://www.youtube.com/watch?v=RwHYLUoO-qs&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=16&amp;t=103s">https://www.youtube.com/watch?v=RwHYLUoO-qs&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=16&amp;t=103s</a>
<b>Chapter-4: Types of Chemical Reaction</b>		<a href="https://www.youtube.com/watch?v=tV0bxq3Dz88&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=17&amp;t=0s">https://www.youtube.com/watch?v=tV0bxq3Dz88&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=17&amp;t=0s</a>
<b>Chapter-5: Metals &amp; Non-Metals</b>		<a href="https://www.youtube.com/watch?v=0MgCeHqgCSQ&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=15&amp;t=0s">https://www.youtube.com/watch?v=0MgCeHqgCSQ&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=15&amp;t=0s</a>
<b>Chapter-8: Electricity</b>		<a href="https://www.youtube.com/watch?v=avEx9g3--BA&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=6&amp;t=0s">https://www.youtube.com/watch?v=avEx9g3--BA&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=6&amp;t=0s</a>
<b>Chapter-9: Magnetism &amp; Chapter-10: Electromagnetic Induction</b>		<a href="https://www.youtube.com/watch?v=EG9lwviUP_s&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=5&amp;t=0s">https://www.youtube.com/watch?v=EG9lwviUP_s&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=5&amp;t=0s</a>
<b>Chapter-11: Light</b>	<b>Part-I</b>	<a href="https://www.youtube.com/watch?v=Ym5xqyWHq-w&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=8&amp;t=0s">https://www.youtube.com/watch?v=Ym5xqyWHq-w&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=8&amp;t=0s</a>
	<b>Part-II</b>	<a href="https://www.youtube.com/watch?v=EfP38ak0Qis&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=7&amp;t=0s">https://www.youtube.com/watch?v=EfP38ak0Qis&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=7&amp;t=0s</a>

<b>Chapter-12: Sources of Energy</b>	<a href="https://www.youtube.com/watch?v=0Nhzmf1hshQ&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=4&amp;t=0s">https://www.youtube.com/watch?v=0Nhzmf1hshQ&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=4&amp;t=0s</a>
<b>Chapter-13: Life Processes</b>	<a href="https://www.youtube.com/watch?v=OlRkfytl4i4&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=12&amp;t=0s">https://www.youtube.com/watch?v=OlRkfytl4i4&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=12&amp;t=0s</a>
<b>Chapter-14: Control and Coordination in living beings</b>	<a href="https://www.youtube.com/watch?v=t7OJPcIksWA&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=11&amp;t=0s">https://www.youtube.com/watch?v=t7OJPcIksWA&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=11&amp;t=0s</a>
<b>Chapter-15: Reproduction</b>	<a href="https://www.youtube.com/watch?v=NuyZL6vHE1E&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=10&amp;t=0s">https://www.youtube.com/watch?v=NuyZL6vHE1E&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=10&amp;t=0s</a>
<b>Chapter-16: Heredity and Evolution</b>	<a href="https://www.youtube.com/watch?v=OgN6Knmy8T8&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=9&amp;t=0s">https://www.youtube.com/watch?v=OgN6Knmy8T8&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=9&amp;t=0s</a>
<b>Chapter-17: Our Environment</b>	<a href="https://www.youtube.com/watch?v=W6Us1jdXcrI&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=3&amp;t=0s">https://www.youtube.com/watch?v=W6Us1jdXcrI&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=3&amp;t=0s</a>
<b>Chapter-18: Natural Resources</b>	<a href="https://www.youtube.com/watch?v=hyIY0PSYnGg&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=2&amp;t=0s">https://www.youtube.com/watch?v=hyIY0PSYnGg&amp;list=PLNz32RYOjBeoj5i-MeemU6KT92arFF8Rh&amp;index=2&amp;t=0s</a>

### ALTERNATIVE FOR UNIT 1: PERIODIC CLASSIFICATION OF ELEMENTS

SCIENCE FOR CLASS -X		
CHAPTERS	TOPICS COVERED	WEBLINKS
<b>Chapter-1: Periodic Classification of Elements</b>	<b>History of Periodic Table</b>	<a href="https://www.youtube.com/watch?v=I5H1SeepnaU">https://www.youtube.com/watch?v=I5H1SeepnaU</a>
	<b>Dobereiner's Triad &amp; Newland's law of Octave</b>	<a href="https://www.youtube.com/watch?v=kymDep3-6yU">https://www.youtube.com/watch?v=kymDep3-6yU</a>
	<b>Mendeleev's Periodic Table</b>	<a href="https://www.youtube.com/watch?v=9lvP7CQ-UBw">https://www.youtube.com/watch?v=9lvP7CQ-UBw</a>
	<b>Modern Periodic Table</b>	<a href="https://www.youtube.com/watch?v=bKKJkxqlg94">https://www.youtube.com/watch?v=bKKJkxqlg94</a>
	<b>Electronic Configuration</b>	<a href="https://www.youtube.com/watch?v=zKPU_0BNNlw">https://www.youtube.com/watch?v=zKPU_0BNNlw</a>
	<b>To predict the Group Number</b>	<a href="https://www.youtube.com/watch?v=fawTlmQp6XE">https://www.youtube.com/watch?v=fawTlmQp6XE</a>
	<b>To predict the Period Number</b>	<a href="https://www.youtube.com/watch?v=DhHJoNZfLkM">https://www.youtube.com/watch?v=DhHJoNZfLkM</a>
	<b>Variation in the Properties - Valency, Atomic Size, Metallic &amp; Non-metallic Property, Nature of oxides</b>	<a href="https://www.youtube.com/watch?v=bBH-OvXPI_M">https://www.youtube.com/watch?v=bBH-OvXPI_M</a> <a href="https://www.youtube.com/watch?v=GkSQptkEHAY">https://www.youtube.com/watch?v=GkSQptkEHAY</a> <a href="https://www.youtube.com/watch?v=lpz0MqrQCcM">https://www.youtube.com/watch?v=lpz0MqrQCcM</a> <a href="https://www.youtube.com/watch?v=0QtsmfGLI_Q">https://www.youtube.com/watch?v=0QtsmfGLI_Q</a>

**CLASS-X**  
**SUBJECT: SOCIAL SCIENCE**  
**CHAPTER : POLITICAL SCIENCE**

UNIT	CHAPTER	CONTENTS	WEB-LINK
I	Working of Democracy	Introduction	<a href="https://www.youtube.com/watch?v=v_HkZCJhG_c">https://www.youtube.com/watch?v=v_HkZCJhG_c</a>
		Challenges posed by Communalism	
		What is Communalism?	<a href="https://www.youtube.com/watch?v=b-CfGvfRQOs">https://www.youtube.com/watch?v=b-CfGvfRQOs</a> <a href="https://www.youtube.com/watch?v=5zdmvsRcDqU">https://www.youtube.com/watch?v=5zdmvsRcDqU</a>
		Caste and Politics /Caste in politics	<a href="https://www.youtube.com/watch?v=jXYeAOp5J1U">https://www.youtube.com/watch?v=jXYeAOp5J1U</a> <a href="https://www.youtube.com/watch?v=CfJxNdQ703Q">https://www.youtube.com/watch?v=CfJxNdQ703Q</a> <a href="https://www.youtube.com/watch?v=5zdmvsRcDqU">https://www.youtube.com/watch?v=5zdmvsRcDqU</a>
		Gender and Politics/ Women's Political Participation	<a href="https://www.youtube.com/watch?v=dE0yJ1dXJk">https://www.youtube.com/watch?v=dE0yJ1dXJk</a> <a href="https://www.youtube.com/watch?v=zd0Y7Sg5t0U">https://www.youtube.com/watch?v=zd0Y7Sg5t0U</a>
		Summary	<a href="https://www.youtube.com/watch?v=gN0mbUErtPO">https://www.youtube.com/watch?v=gN0mbUErtPO</a>
		Role of Meira Paibis in the working of Democracy in Manipur	<a href="https://kapilarambam.blogspot.com/2016/02/meira-paibi-brief-story-of-women-torch.html">https://kapilarambam.blogspot.com/2016/02/meira-paibi-brief-story-of-women-torch.html</a> <a href="https://www.youtube.com/watch?v=Ji0OV9HEJFc">https://www.youtube.com/watch?v=Ji0OV9HEJFc</a> <a href="https://www.youtube.com/watch?v=6J4FbFrJfug">https://www.youtube.com/watch?v=6J4FbFrJfug</a>
		Manipur State Commission for Women	<a href="https://manipurwomencommission.gov.in/newsletter/Newsletter_Vol2.pdf">https://manipurwomencommission.gov.in/newsletter/Newsletter_Vol2.pdf</a>
II	Power Sharing	Introduction	<a href="https://www.toppr.com/guides/political-science/power-sharing/power/">https://www.toppr.com/guides/political-science/power-sharing/power/</a>
		Why is power sharing desirable?	<a href="https://www.youtube.com/watch?v=sZdM7wyzjNI">https://www.youtube.com/watch?v=sZdM7wyzjNI</a>
		How is power shared in Democracy?	<a href="https://www.youtube.com/watch?v=QRdDNpQENs0">https://www.youtube.com/watch?v=QRdDNpQENs0</a>
		Overview of power sharing	<a href="https://www.youtube.com/watch?v=0K4tymJ4i8">https://www.youtube.com/watch?v=0K4tymJ4i8</a>
		<i>Questions and Solutions</i>	<a href="https://www.youtube.com/watch?v=SjVJemU8Hg">https://www.youtube.com/watch?v=SjVJemU8Hg</a>
		Federal Provision and Institutions	<a href="https://www.youtube.com/watch?v=2GpR1OAZeYw">https://www.youtube.com/watch?v=2GpR1OAZeYw</a>
		Some basic features of a Federalism	<a href="https://www.youtube.com/watch?v=-wHMYyj_NiQ">https://www.youtube.com/watch?v=-wHMYyj_NiQ</a> <a href="https://www.youtube.com/watch?v=vnFAwy4T0yU">https://www.youtube.com/watch?v=vnFAwy4T0yU</a>

		<b>Overview of Federalism</b>	<a href="https://www.youtube.com/watch?v=8GuTZJzERxc">https://www.youtube.com/watch?v=8GuTZJzERxc</a> <a href="https://www.youtube.com/watch?v=_27mdE-wRSI">https://www.youtube.com/watch?v=_27mdE-wRSI</a> <a href="https://www.youtube.com/watch?v=8GuTZJzERxc">https://www.youtube.com/watch?v=8GuTZJzERxc</a>
<b>II</b>	<b>Power Sharing</b>	<b>How has federal division of power in India helped national unity?</b>	<a href="https://www.youtube.com/watch?v=8h-L2MJErI0">https://www.youtube.com/watch?v=8h-L2MJErI0</a>
		<b>Centre- State Relations</b>	<a href="https://www.youtube.com/watch?v=QMfAZosYOn0">https://www.youtube.com/watch?v=QMfAZosYOn0</a> <a href="https://www.youtube.com/watch?v=h-8X-gWDYV4">https://www.youtube.com/watch?v=h-8X-gWDYV4</a> <a href="https://www.youtube.com/watch?v=BNcWKAQAmog">https://www.youtube.com/watch?v=BNcWKAQAmog</a>
		<b>Political Decentralisation in India</b>	<a href="https://www.youtube.com/watch?v=uW_RQ uXj31k">https://www.youtube.com/watch?v=uW_RQ uXj31k</a> <a href="https://www.youtube.com/watch?v=7oal3eJsels">https://www.youtube.com/watch?v=7oal3eJsels</a> <a href="https://www.youtube.com/watch?v=xSugF76yVbk">https://www.youtube.com/watch?v=xSugF76yVbk</a> <a href="https://www.youtube.com/watch?v=wrVds4p1q94">https://www.youtube.com/watch?v=wrVds4p1q94</a>