

## Workshop Olympiad Stage-2 (For students of classes 5)

S.No.	Topic Name	No. of lecture
<b>Physics</b>		
1	Universe, The Moon and Motion & Measurement	10
<b>Chemistry</b>		
1	Matter, Rock & Minerals, Air & Water	10
<b>Mathematics</b>		
1	Number System (Include Fraction, Integers)	4
2	Algebraic Expression, Ratio and Proportion	7
3	Mensuration & Percentage (Include SI)	7
Total		18
<b>Biology</b>		
1	Lifestyle of Animals, Our Body	6
2	Food & Health, Safety and First Aid	4
Total		10
<b>Mental Ability</b>		
1	Direction Sense & Sequencing	3
2	Blood Relation & Figure counting	3
3	Embedded Figure	1
4	Classification Analogy, Missing term in figure	3
Total		10

## Topics to be taught

### Workshop Olympiad Stage-2 (For students of classes 6)

S.No.	Topic Name	No. of lecture
<b>Physics</b>		
1	Electricity, Light, Universe	10
<b>Chemistry</b>		
1	Matter & It's Segregation and World of Changes	6
2	Classification & Diversity in Matter, Fibres & Fabrics	4
Total		10
<b>Mathematics</b>		
1	Ratio and Proportion, Mensuration	6
2	Playing with Number (Include Fraction)	4
3	Algebra & Data Handling, Basic Geometrical Idea's	8
Total		18
<b>Biology</b>		
1	Getting to know plant, Body Movement	9
2	Garbage in garbage out	3
Total		12
<b>Mental Ability</b>		
1	Puzzle Test	3
2	Mathematical operations & Non-Verbal Series and Analogy	4
3	Water Mirror Image, Direction Sense	3
Total		10

## Workshop Olympiad Stage-2 (For students of classes 7)

S.No.	Topic Name	No. of lecture
<b>Physics</b>		
1	Electricity, Light, Universe	10
<b>Chemistry</b>		
1	Acids, Bases & Salts	4
2	Physical & Chemical Change	3
3	Fibres & Fabrics	3
Total		10
<b>Mathematics</b>		
1	Number System (Include Fraction)	4
2	Ratio and Proportion (Include Percentage)	3
3	Mensuration & Algebraic Expression	7
4	Statics & Triangle	4
Total		18
<b>Biology</b>		
1	(a) Soil, (b) Nutrition in Animals, (c) Transportation, (d) Forest	12
<b>Mental Ability</b>		
1	Sequencing & Blood Relation, Embedded Figure	5
3	Non-Verbal Series and Analogy	2
4	Sitting arrangement, Counting Figure	2
5	Coding-Decoding	1
Total		10

## Workshop Olympiad Stage-2 (For students of classes 8)

S.No.	Topic Name	No. of lecture
<b>Physics</b>		
1	Electricity, Light	10
<b>Chemistry</b>		
1	Metals & Non Metals	4
2	Coal & Petroleum	3
3	Combustion & flame	3
Total		10
<b>Mathematics</b>		
1	Algebraic Expression & Identities	3
2	Direct and Inverse Variation	3
3	Linear Equation in one variable	2
4	Playing with Number, Mensuration, Quadrilateral	10
Total		18
<b>Biology</b>		
1	Reproduction in Plant and Animals	5
2	Pollution, Conservation	7
Total		12
<b>Mental Ability</b>		
1	Puzzle Test, Non-Verbal	5
2	Direction Sense, Coding-Decoding	3
3	Sequencing, Alphabet Test	2
Total		10

## Workshop NTSE Stage-2

S.No.	Topic Name	No. of lecture
<b>Physics</b>		
1	Electricity, Light	6
<b>Chemistry</b>		
1	a) Acids, Bases and Salt, b) Metals & Non-Metal, c) Carbon	6
<b>Mathematics</b>		
1	Number System, Polynomial (Include Quadratics)	4
2	Geometry - 1 (Lines Angles and Triangles)	2
3	Geometry - 2 (Circle and Quadrilaterals)	2
4	Trigonometry	2
Total		10
<b>Biology</b>		
1	Transportation & Nutrition	6
<b>Mental Ability</b>		
1	Series Completion, Coding-Decoding	4
2	Mathematical operations	2
3	Sitting arrangement & Direction Sense	2
4	Puzzle Test, Calendar & Clock Test	5
5	Cube, Dice & Non-Verbal	3
Total		16
<b>Social Science</b>		
1	Nationalism in Europe	2
2	Nationalist Movement in Indo-china	3
3	Federalism, Political parties	4
4	Lifelines of the national Economy	2
5	Consumer rights, Globalisation and the Indian Economy	3
Total		14

## Workshop IJSO Stage-2

Physics		
S.No.	Topic Name	No. of lecture
1	Electricity, Light & Motion	13
2	Work, Energy and Power	3
3	Newton's Laws of Motion	4
Total		20

Chemistry		
S.No.	Topic	No. of lecture
1	Mole Concept & Periodic Table	8
2	Acids, Bases and salts	4
3	Metals & Non-Metal	4
4	Gaseous State	4
Total		20

Biology		
S.No.	Topic	No. of lecture
1	Ecology, Heredity & Evolution	10
2	Plant & H <sub>2</sub> O Relation	5
3	Anatomy of Plant	5
Total		20

## Topics to be taught

### Class 10<sup>th</sup> Board

S.No.	Topic Name	No. of lecture
<b>Physics</b>		
1	Light	6
<b>Chemistry</b>		
1	Periodic Table and Carbon	6
<b>Mathematics</b>		
1	Similar Triangle and Trigonometry	6
2	Quadratic Equation	2
3	Arithmatic Progression and Quadrate Geometry	4
4	Surface Area & Volume	3
Total		15
<b>Biology</b>		
1	Reproduction Plant and Animals	6
<b>English</b>		
1	Writing Section and Grammar	3
2	Two gentleman	1
3	The letter, the shady plot	1
4	The patol babu , virtually true	1
5	The frog and the night angle , net marble nor the gilded monument	1
6	Ozymandios , the sime of the ancient mariner- part 1	1
7	The simeof the anicent mariner -part-2/the snake	1
8	The dear departed / julius ceaser	1
Total		10
<b>Social Science</b>		
1	Nationalism in India	2
2	Nationalist Movement in Europe	3
3	Resources and Development	2
4	Lifelines of the National Economy	2
5	Political parties	2
6	Outcomes and Challenges to democracy	2
7	Sectors of Indian Economy	2
8	Globalization and the Indian economy	2
Total		17

## Topics to be taught

### IESO Stage-1

S.No.	Topic Name	No. of lecture
<b>1</b>	<b>GEOSPHERE</b>	<b>20</b>
a	Mineral & Rocks	5
b	Historical geology	4
c	Principal of plate tectonics and its application	5
d	Physical Geography	6
<b>2</b>	<b>ASTRONOMY</b>	<b>15</b>
a	Observational Astronomy	4
b	Introduction to Solar System	3
c	The Sun is star	4
d	The Earth in the Universe	2
e	Space Science	2
<b>3</b>	<b>Atmosphere</b>	<b>10</b>
a	Basics and Energy of the Atmosphere	2
b	Moisture, Clouds and Precipitation	2
c	Air Pressure and Motion	2
d	Weather System and Patterns	2
e	Climate and Climate Change	1
f	Observational, Weather Forecasts and Atmospheric Optics	1
<b>4</b>	<b>HYDROSPHERE</b>	<b>15</b>
a	Hydrography	4
b	Current	5
c	Tide	3
d	Wave	3