

**TARA CONVENT SCHOOL (TALWANDI SABO)**  
**SYLLABUS-2019-2020**  
**CLASS 8<sup>th</sup>**

SERIAL NO.	SUBJECT	TOTAL MARKS
1	ENGLISH	100
2	PUNJABI	100
3	HINDI	100
4	MATHEMATICS	100
5	SCIENCE	100
6	SOCIAL SCIENCE	50
7	COMPUTER SCIENCE	50
8	GENERAL KNOWLEDGE	50
9	DRAWING	50

**SUBJECT -ENGLISH**

**APRIL:-**

**Reader Book:-** Lesson-1: How beautiful is the rain(Poem)

Lesson-2 Mrs. Donovan's Dog

Lesson-3 Forest Fires (Poem)

Lesson-4 The day of the bare feet

**Grammar:-**

Lesson-1 Nouns: Kinds of Nouns

Lesson-2 The Pronoun-Kinds of pronouns

Lesson-3 articles and Determiners

Lesson-15 Let's learn –synonyms

**MAY:-**

**Reader book:-**

Lesson-5 Abraham Lincoln

Lesson-6 If (Poem)

Lesson-7 A Boy's Best Friend

Lesson-8 Coromandel Fishers (Poem)

**Grammar:-**

Lesson-4 Adjectives –kinds of adjectives

Lesson-5 Adverbs-Kinds of Adverbs

Lesson-6 Prepositions

Lesson-7 Conjunctions

**JULY:-**

**Reader Book:-**

Lesson-9 Jamaican

Lesson-10 The silver lining

Lesson-11 Where the mind is without fear(Poem)

Lesson-12 The clock Goes Tick-Tock

**Grammar:-**

Lesson-8 Modals

Lesson-9 Tenses Let's Learn –Antonyms

Essays

**AUGUST:-**

**Reader Book:-**

Lesson-13 The tiger (Poem)

Lesson-14 The day Beni Pishi Last her voice

Lesson-15 I Have a dream (Poem)

**Grammar:-**

Lesson-10 Subject –verb Concord

Lesson-11 Sentences

Lesson-12 Finite and non-finite verbs

Lesson-13 Active and passive Voice

### March Revision

#### OCTOBER:-

##### Reader Book:-

Lesson-16 the victory

Lesson-17 The last Class

Lesson-18 Macavity –The mystery Cat (Poem)

##### Grammar:-

Lesson-14 Reported speech

Lesson-15 Let's learn synonyms, stories, Letters

#### NOVEMBER:-

##### Reader Book:-

Lesson-19 The shoemaker

Lesson-20 It Couldn't be done (Poem)

Lesson-21- The Merchant of Venice

##### Grammar:-

Lesson-16 Let's learn: Antonyms

Lesson-17 Let's learn: Words often confused

Lesson-18 Let's learn: Idioms and phrases

Emails

**JANUARY & FEBRUARY:-** Revision of full syllabus and clear all problems of students

Book:- Reference –Cordova, Prachi

#### ivSw-pMjwbI

##### ApRY1

- myrw v`sdw rhy pMjwb(kivqw)
- mYN ApMg nhIN hW(khwxI)
- pMjwb dw lok nwc BMgVw(lyK)  
ivAwkrn- nWv pVnWv, iLMg, vcn, lyK-pVwHeI iv`c KyfW dI QW, post mwstr swihb  
nUM fwkIey dI lwprvwhI ivru`D iSkwieq p`qr ilKo[

##### meI

- smyN dy nwl c`lxw(khwxI)
- BweI ibDI cMd jI dI bhwdri(khwxI)
- purwxy ipMfW dI sYr(kivqw)  
ivAwkrn- smwnwArQk Sbd, ivroDI Sbd, Agyqr-ipCyqr, lyK-byruzgwrI dI sm`isAw

##### julweI

- klwkwr(khwxI)
- buFwpw Gr(lyK)  
ivAwkrn-ivSySx, ikirAw ivSySx, bhuyq SbdW dI QW ie`k Sbd, bhu-ArQk Sbd, Awpxy  
skUl dy ipRMsIpl nMU &Is muAw&I leI ArzI ilKo[

##### Agsq

- mW bolI pMjwbI(kivqw)
- fw. mihHdr isMG rMDwvw(jIvnI)  
ivAwkrn-kwrk ,muhwvry, Awpxy im`qr nUM pws hox qy vDweI p`qr ilKo[

##### AkqUbr

- bhwdr kuVI(kivqw)
- dyS Bgq(khwxI)
- pRdUSx qoN bcwA dy aupwA(lyK)

ivAwkrn-sMbMDk qy Xojk, AKwx(1-20) lyK- gurU goibMd isMG jI, Awpxy skUl dI ipRMsIpl  
nUM Awpxy ikxy ieiqswisk sQwn dI Xwqrw krn dI AwigAw lYx leI ibnY p`qr ilKo[

##### nvMbr

- hymkuMt swihb dY Xwqrw(lyK)

- igAwnI gurma`K isMG muswi&r(lyK)
- ku`K iv`coN DI dw qrlw(kivqw)  
ivAwkrn- smwnwArQk Sbd, muhwvry, Awpwx skUl dy ipRMsIpl nUM Awpxy Brw dy  
ivAwh qy Cu`tI lYx leI ArzI ilKo[

#### **jnvri**

- GmMfI rwjw(khwxI)
- hunr dI kdr(khwxI)  
ivAwkrn- ivSrwm icMnH, lyK-gxqMqrqw idvs, pYrHw rcnw- kMipaUtr dw mh`qv

#### **Prvri**

- pMjwb iv`c pgVI bMnx dw irvwz(khwxI)
- pKMf iCipAw nhIN rih skdw(iekWgI)  
ivAwkrn- Axif`Tw pYrHw, ic`qr vrxn

nvjIvn pMjwbI-pwT mwlw-8(pysmykr pblIkySnz) ivAwkrnAqy lyK rcnw(AYvrgriIn pblIkySnz)

### **ivtX ihNdI**

#### **April:-**

**Lesson-1:** BivàXq`

**Lesson-2:** AslI Xwck

ÛXwkrx:- Bwtw , ilip, ÛXwkrz AOr ihNdI, vx~ ivNXws

#### **May:-**

**Lesson-3:** s<swr - swgr ky Anwm nwXk

**Lesson-5:** ispwhI

ÛXwkrx:- s<iD, inb<D , s<zw ky ivkwr (il<g, vcn, kwrk)

#### **July:- Unit -1 Exams**

**Lesson -6:** AwiKrI pËqw

ÛXwkrx:- a<zw, SÑd rcnw

#### **August:-**

**Lesson-7:** báqr - jnjwiq my< qu<bw

**Lesson-9:** Putbwl

ÛXwkrx:- apsg~, pöËXX AOr smws , kwl, pZ lyKn

#### **September: Unit 2<sup>nd</sup> Exams**

**Lesson-11:** bYjU bwvrv

**Lesson-12:** aVnprI ihmw dws

#### **October:-**

**Lesson 13:** ivzwn , vwXrs AOr ivnwS

**Lesson 14:** Tukrw do Xw ÎXwr kro

ÛXwkrx:- sv~nwm, ivSytx, iköXw, inb<D lyKn

#### **November:-**

**Lesson-15:** A<iqm sIK

**Lesson-16:** jwXkw -E-purwnI idølI

ÛXwkrx:- ivrwm icNh, muhwvry AOr lokoi#qXW, vwÇX

#### **December:- Term -2<sup>nd</sup> Exams**

**Lesson-18:** g<gw kI ivdwe~

**January:-** ÛXwkrx:- AÛXX Xw AivkwrI SÑd

#### **Revision**

#### **February:-Final Exams**

Bwtw AiDgm Ev< ÛXwkrx

•April

1. Rational Numbers
2. Exponents
3. Square and square Roots
25. Probability

•May

4. cube and cube roots
5. Playing with numbers
6. Operations on algebraic Expressions
18. Area of a trapezium and a polygon

•July

19. Three dimensional figures
20. Volume and surface areas of solids
21. Data handling
22. Introduction to co-ordinate geometry

•August

7. Factorisation
8. Linear Equations
9. Percentage

•October

10. Profit and Loss
11. Compound Interest
12. Direct and inverse proportions

•November

13. Time and work
14. Polygons
15. Quadrilaterals
16. Parallelograms

•January

17. Construction of quadrilaterals
23. Line graphs and linear graphs
24. Pie charts

**Mathematics Activities:-**

April:-

1. Angle sum property of a Quadrilateral.
2. Angle sum property of a polygon.

May:-

3. To make a kite by paper folding and cutting.
4. To make a rhombus by paper folding and cutting.

July:-

5. To make a dice with the help of a paper net. Throw this dice 100 times and write down the outcomes in a table and note down the observations.
6. To verify the identity  $(a + b)^2 = a^2 + b^2 + 2ab$
7. To verify the identity  $(x+a)(x+b) = x^2 + ax + bx + ab$

August:-

8. To verify geometrically the algebraic identity  $a^2 - b^2 = (a+b)(a-b)$
9. To explore the relationship between (a) Length (in cm) and Perimeter (in cm)  
(b) Length (in cm) and area (in  $\text{cm}^2$ ) of % squares of different dimensions drawn on a square paper.
10. To make cube of dimensions  $3 \times 3 \times 3$  and cuboids of dimensions  $4 \times 3 \times 2$  using unit cubes and calculate volume of each.
11. To find the formula for surface area of a cuboids.
12. To find Lateral surface area of a right circular cylinder.
13. To find the volume of a right circular cylinder.

14. To establish the formula for area of a trapezium.
15. To make comparison between simple interest and compound interest.

## SUBJECT SCIENCE

**April:-**

### **Lesson 3. Synthetic Fibres and plastics**

**Activity:-**

1. To study the water absorbing property of clothing materials made from different fibres.
2. To Study the burning characteristics of dress materials made from different fibres.
3. To study the structure of different fibres.
4. To compare the tensile strength of different fibres.

### **Lesson 4. Metals and non-metals**

**Activity:-**

1. To show that metals are malleable in nature
2. To check the basic nature of metal oxides.
3. To observe the reaction of metals and non- metals with acids.
4. To observe the reaction of metals with bases.
5. To show that more reactive metal can displace less reactive metal from its salt solution but the reverse is not possible.
6. To show that the oxide of a nonmetal (e.g. sulphur) is acidic in nature.

### **Lesson 11. Force and pressure**

**Activity:-**

1. To identify different actions as a push or pull.
2. To observe the effect of force on different objects.
3. To show that magnetic force is non-contact.
4. A liquid exerts pressure on the walls of the container.
5. Liquids exert equal pressure at the same depth.
6. Pressure at a point in a liquid depends on its depth.
7. To get an idea about the magnitude of atmospheric pressure.

**May:-**

### **Lesson 1- Crop Production**

**Activity:-**

1. To separate healthy seeds from the damaged ones.
2. To observe the effect on the growth of plants on adding manure in the soil.
3. To collect information on irrigation prevailed in different parts of India

### **Lesson 12. Friction**

**Activity:-**

1. To observe that the force of friction always opposes the motion.
2. To show that a rough surface exerts greater frictional force than a smooth surface.
3. To show that rolling friction is less than the sliding friction.

**July:-**

### **Lesson 2. Microorganisms: Friend and Foe**

**Activity:-**

1. To observe the effect of adding yeast in flour (atta or maida).
2. To observe the fermentation of sugar by yeast.

### **Lesson 5. Coal and Petroleum**

### **Lesson 16. Light**

**Activity:-**

1. To verify the first law of reflection i.e. angle of incidence is equal to the angle of reflection.
2. To verify the second law of reflection i.e. the incident ray, reflected ray and the normal at the point of incidence lie in the same plane.
3. To understand the formation of image by a plane mirror.
4. To observe that reflected light can be reflected again.
5. To make a kaleidoscope.

6. To observe the dispersion of light with the help of a plane mirror.
7. To observe that iris controls the amount of light entering the eye.

**August:-**

### **Lesson 6. Combustion and flame**

**Activity:-**

1. To check whether a substance is combustible or not.
2. To show that air is necessary for combustion to take place.
3. To show that a combustible substance cannot burn below its ignition temperature.

### **Lesson 7. Conservation of plants and animals**

**Activity:-**

1. Collect information and make a list of point how is animal life affected by deformation.
2. Find out the number of national park, wildlife sanctuaries and biosphere reserves in your area, district, state and country.
3. Find out the endemic plants and animals of the region you live. Collect their pictures and paste in your scrap book.

### **Lesson 17. Stars and the solar system**

**Activity:-**

1. To demonstrate different phases of the Moon.
2. To observe the movement of pole star.

**September:-**

### **Lesson 18. Pollution of air and water**

**Activity:-**

1. To observe the quality of water from different sources.
2. To make water filter.
3. Conduct a survey on the sources of water in your neighbourhood. Also investigate about the method of sewage disposal in your locality.
4. Ask your classmates and students of other classes how to they commute to the school. There are various options like walking, going by bicycle, travelling by bus or other public transport, using a car individually or travelling by car pool. Discuss about the impact of each of these options on the quality of air.
5. Make a list of air pollutants mentioned above. Also mention their sources and effects on the environment and human beings in a tabulised form.
6. A recently released report says with the continuous exposure to air pollution, the number of children suffering from chronic bronchial asthma is on rise in Delhi. Conduct a survey of households in your neighborhood and among friends to find out how many children are suffering from respiratory problems.

**October:-**

### **Lesson 8. Cell-structure and functions**

**Activity:-**

1. To observe the parts of a plant cell.(e.g. onion peel) under a microscope.
2. To observe the different components of an animal cell.

### **Lesson 13. Sound**

**Activity:-**

1. To show that a vibrating body produces sound.
2. To observe that sound is produced due to vibration.
3. To observe the vibrations of a vibrating body.
4. To make a musical instrument called Jal-tarang.
5. To make a model to demonstrate the working of vocal-cords.
6. To show that sound can travel through solids.
7. To show that sound can travel through liquids.
8. To show that sound can travel through air but not through vacuum.
9. To observe and understand the working of eardrum.
10. To show that the loudness of sound depends on the amplitude of vibration.

### **Lesson 14. Chemical effects of electric current**

**Activity:-**

1. To show that distilled (or pure) water is a non- conductor of electricity.
2. To show that water containing any salt is a conductor of electricity.
3. To test the conductivity of some liquids using a magnetic detector.
4. To observe the change in colour due to chemical effect of electric current.
5. To observe the deposition of copper using copper electrodes and copper sulphate solution.

**November:-****Lesson 9. Reproduction in animals****Activity:-**

1. To observe and study the eggs of frogs.
2. To observe and identify the eggs of different oviparous animals.
3. To observe the permanent slides of hydra.

**Lesson 10. Reaching the age of adolescence****Activity:-**

1. To know about the importance of consuming iodised salt.
2. To identify the nutritious and junk food.
3. Organise a competition in your class on the topic 'Diet for Adolescents'. Use your creative ideas to make charts or posters on this topic and display in the class.

**Lesson 15. Some natural phenomena****Activity:-**

1. To show that like charges repel each other, whereas unlike or opposite charges attract each other.
2. To observe the transfer of charge through a metal conductor.
3. Collect information about the Kashmir, Bhuj and Nepal earthquakes from old newspapers, magazines and Internet. Prepare a report on the suffering of the people during the earthquake. Also mention the rehabilitation work done by different organizations.
4. Collect information about the places in the world where earthquakes are followed by tsunami. Mark these places on an outline map of the world. Also collect accounts of devastation caused by the tsunami at these places.

**Experiments:-**

1. To check the basic nature of metal oxides.
2. To show that oxide of a non- metal is acidic in nature.
3. To show that air is necessary for combustion to take place.
4. To show that liquids exert equal pressure at the same depth.
5. Show that at a point in a liquid depends on its depth.
6. To show that sound can travel through air but not through vacuum.
7. To prepare a temporary slide of onion peel with the help of microscope and label it.
8. To show that sound needs a medium to propagate.
9. To study the flow of electric current through various liquid samples.
10. To separate healthy seeds from unhealthy or damaged seeds.

**SUBJECT SOCIAL SCIENCE****April:-**

- L1 (Geo)- Resources
- L1 (His)- Modern India
- L1 (Civics)- The Indian Constitution

**May:-**

- L2 (Geo)- Land, soil water Resources
- L2 (His)- Tribal Resistance
- L2 (Civics)- Understanding secularism

**July:-**

- L3 (Geo)- Natural vegetation and wildlife
- L3 (His)- The Company's civil Administration and Revenue Policy

L3 (civics)- Our Fundamental Rights and Duties

**August:-**

L2 (His)- Mineral and Energy Resources

L6 (His)- The Revolt of 1857

L4 (Civics)- Parliamentary government: the union Executive

**September:-**

L4 (Geo)- Mineral and energy Resources

L5 (His)- The Revolt of 1857

L5 (Civics)- Parliamentary government: the Union Executive

**October:-**

L5 (Geo) - Agriculture

L7 (His) - Crafts and Industries

L6 (Civics) - The Judiciary

**November:-**

L8 (His) - Education and British Rule

L9 (His) - Women, caste end Reform

L7 (Civics) - Role of Police and Courts

**December:-**

L6 (Geo)- Industry

L10 (His)- Changes in art and Architecture

L8 (Civics)- Marginalized groups and social Justice

**January:-**

L7 (Geo)- Human Resource

L11 (His)- Rise of India Nationalism

L9 (Civics)- Public facilities and social justice

**February:-**

L12 (His)- National Movement fulfillment

L13 (His)- India after Independence

L10 (Civics)-Laws and public Welfare

**SUBJECT- COMPUTER SCIENCE AND APPLICATION**

**April:-**

What is a computer characteristic of computer, input/ output device generation, of computer,

**May:-**

Basic of computer organization, storage unit, operating system, types of OS.

**July:-**

Shortcut keys, ms excel,

Practical work:-

Data entry in excel, home tab, alignment, conditional formatting. Pivot tables, mathematical function, proofing,

**August:-**

Ms Word.

Practical work:-

insert images inserting a table,inserting,deleting rows and columns merging cells, splitting cells, borders and shading, table styles, use your creativity and make a "invitation card"

**September:-**

Term-1 (exam)

**October:-**

Ms PowerPoint

Practical work:-

create a presentation, home tab, insert tab, design tab animation tab, slide show, deleting slide displaying the slides, text effect.

(Unit-2)

**November:-** Number System.

**December:-** Term-2 exam

**January:-** Project Work:-

Create a Banner on "save tree"

Create a presentation on "TARA CONVENT SCHOOL"

**Feb:-**

Revision

Final term:-

Reference book:-

Kips (I.T. apps), computer fundamental & basic applications.

**SUBJECT GENERAL KNOWLEDGE**

**April :-**

L-1 Statue of Liberty- Universal Symbol of Freedom

L-2 Mammals

L-3 Forts of India

L-4 Sunlight Therapy

L-5 Action –Reaction

**May:-**

L-6 National Animals

L-7 Geological Wonders

L-8 Yogasanas

L-9 Women Freedom Fighters of India

L-10 Futuristic clean power concept

**July:-**

L-11 World of Insects

L-12 Immortal quotes

L-13 Personality Development

**August:-**

L-14 Faster ,Higher,Stronger

L-15 APJ Abdul Kalam- The Missile Man of India

L-16 Super Human Beings

L-17 Unique Animals

L-18 Futuristic Cities

**September:-**

L-19 Stephen William Hawking- A Great Scientist

**October:-**

L-20 Real Heros

L-21 Real Teachers

L-22 Legacy of Mahatma Gandhi

L-23 Endangered Trees

L-24 World's Best Shopping Streets

L-25 Incredible Laboratories On the Earth

**November:-**

L-26 Extinct Animals

L-27 Most difficult Places to Live On The Earth

L-28 Lesson We Learn About cleanliness From The World

L-29 Martial Arts

L-30 Greatest Inventives of This Decade

L-31 Best University Around the World

**December:-**

L-32 Emerging Career Options In India

L-33 Milestones IN India's Space Technology

L-34 World's Most Amazing Natural Phenomena

L-35 Basketball Positions

L-36 Human Made Environment Disasters

**January:-**

L-37 Know The Presidents OF India

L-38 Think Sharp

**SUBJECT DRAWING**

**April:-**

Object based Art and Activities

Pg no- (14-23)

**May:-**

People based Art and Activities

Pg no- (24-52)

**July:-**

Tradition based Art and Activities

Pg no- (53-62)

**August:-**

Environment based Art and Activities

Pg no-(64-75)

**September:-**

Pg no-(76-86)

**October:-**

Experience based Art Activities

Pg no-(88-100)

**November:-**

Experience based Art and Activities

Pg no- (101-109)

**December:-**

Experience based Art and Activities

Pg no-(110-119)

**January:-**

Experience based Art and Activities

Pg no-(120-124)

TARA CONVENT SCHOOL