

Tyndale-Biscoe & Mallinson Society

U-I & U-II SYLLABUS FOR CLASS-VIII

(Session 2016-17)

Subject: English

Unit-I

1. How Teachers Learn
2. A Nation's Strength
3. Porus and his Elephant
4. The Unthankful Man

Unit-II

1. Life
2. The Bangle Sellers
3. Prayer for Strength
4. Achilles

Subject: Mathematics

Unit-I

1. Rational Numbers:

- * Recap of Natural Numbers Whole Numbers & Integers.
- * Concept and definition of Rational Numbers.
- * Properties of addition, subtraction, multiplication and division of rational numbers.
- * Additive Inverse.
- * Multiplicative Inverse.
- * Distributive Property
- * Representation of rational numbers on the number line.
- * Rational Numbers between the given two rational numbers.

2. Linear Equations in One Variable:

- * Concept of linear equation.
- * Solving equations which have linear expressions on one side & number on the other side.
- * Application of linear equation in one variable.
- * Solving equations having the variables on both sides.
- * Equations Reducible to the linear form.

Unit-II

1. Understanding Quadrilaterals:

- * Polygons and their classification.
- * Angle sum property of quadrilateral.
- * Sum of the measure of exterior angles of a polygon.
- * Kinds of quadrilateral & their properties.

2. Data Handling:

- * Representation of data in different graphical forms:
(Pictograph, bar graph, double bar graph, circle graph, histogram)
- * Organising and grouping the data.
- * Concept of probability.

Subject: Social Studies

History

Unit - I

1. Studying Modern Period

Demonstration method and project method:

- (a) Periodisation will be explained and projected.
- (b) Project work on the modern period of India with special reference to surveys during 18th Century in India.

2. From Trade to Territory. The company establishes power:

- (a) Project work on the different European trading companies to India (AD 1600 on words)

3. Ruling the countryside

Make a project about the conditions in rural areas under English East India Company's Rule. (India)

Unit-II

Topic: Colonialism and Tribal Societies:

- * Life in tribal groups
- * Hunters and gatherers
- * Pastoralists
- * Forest laws and their impact.

Activity: Students will be asked to form groups and gather information about the Gujars and the Bakarwals one of the tribes of India in J&K.

Topic: Rebellion of 1857; First War of Independence:

- * Nawabs, peasants and sepoy.
- * Spread of rebellion.

Activity: Students will gather information about 'Mangal Panday' a sepoy, who played the lead role in Revolt of 1857.

Note: All sub-topic to be done.

Civics

Unit-I

Topic: Foreign Policy of India

- * Make a project file about the foreign policy of India.
- * Collect information about cold war and paste it on your scrap book.
- * Panchsheel, non-aligned movement. Principles of NAM
- * India's contribution in world affairs.

Unit-II

Topic: India and Her Neighbours

- * India and Nepal
- * India and China
- * India and Bhutan
- * India and Myanmar
- * India and Pakistan
- * India and Bangladesh
- * India and Sri-Lanka

Activity: Students will gather latest information about the relation of India with her neighbours.

Note: All sub-topic to be done.

Geography

Unit-I

Topic: Resources

- * Conservation of resources. (Renewable resources)
- * Types of resources.
- * Making paper bags out of old newspapers. (non-renewable resources – Sample coal etc.)

Unit-II

Topic: Land, Soil, Water, Natural Vegetation and Wildlife Resources

- * Land, Land – use its conservation.
- * Soil and its conservation.
- * Water and its conservation.
- * Natural vegetation.
- * Wild-life and its conservation.

Activity: Students will make a model on soil-profile, students will be taken to Dachigam.

Note: All sub-topic to be done.

Subject: Science

Physics

Unit-I

Topic: Sound

Sub topics: Introduction, Sound is produced by vibrating body, Sound produced by humans, properties of sound (amplitude, time period, frequency, loudness and pitch), sound needs a medium for propagation, human ear, audible & inaudible sound, noise and music, noise pollution. Measures to control noise pollution.

Unit-II

Topic: Light

Sub topics: Introduction of light, laws of reflection, regular and diffuse reflection, multiple images, kaleidoscope, sunlight, structure of human eye, care of eyes.

Chemistry

Unit-I

Coal and Petroleum

Introduction to resources, natural resources and its types, classification of resources. Fossil Fuels, concept of coal formation, types of coal, destructive distillation of coal, uses of coal, petroleum formation and refining, natural gas, natural resources are limited.

Unit-II

Food production and management

Agriculture – Introduction, crop plants, basic practices of crop production. Agriculture practices: (Right kind of soil, selection of right seed, methods of seed sowing, weeding, manuring, irrigation, crop protection, harvesting, threshing, winnowing, grain storage). Methods of crop improvement (1) Plant breeding (2) Soil improvement (a) Crop rotation (b) Mixed cropping (c) Field Fallow (3) Protection from pests and weeds. Heeding of animals: Dairying, poultry, fisheries, apiculture.

Biology

Unit-I

Micro Organisms – Friend & Foe

Introduction, major groups of micro organisms (Bacteria, algae, fungi, protozoa, viruses – habitat, mode of nutrition, reproduction, benefits & harms) Commercial use of Micro-organisms, Vaccine, Cleaning the Environment, Food poisoning. Food preservation (Physical and chemical methods) Nitrogen fixation, Nitrogen cycle.

Unit-II

Conservation of Plants & Animals

Introduction, deforestation & its causes, consequences of deforestation, conservation of forest and wild life, biosphere reserve, wildlife sanctuaries, national parks, flora and fauna, endemic species, Red data book migration, recycling of paper.

حصہ نثر: کابلی، لیل دید
حصہ نظم: حمد

حصہ نثر: اُستاد کا احترام، نوبل انعام کی کہانی
حصہ نظم: نعت، اعراب کا استعمال

قواعد: حروف سنی و قمری، مصدر، مشتق، جامد کی تعریف، حروف جار، حروف عطف
مضامین: میرا پسندیدہ اُستاد، تعلیم کی اہمیت
درخواست: درخواست برائے ایکسکرتشن
خطوط: نجی اور کاروباری خطوط کا تعارف، دعوتی رقعہ۔
نوٹ: سلیبس معہ مصنف اور سبق کا حوالہ، تشریح معہ شاعر لازمی ہے۔

حمد، نعت، منقبت، مناجات اور دُعا کی مکمل تعریف۔

قواعد: اسماء اور افعال کی تعریف، حروف کابیان، اضداد / تذکیر و تانیث، واحد جمع

مضامین: کابلی کے نقصانات، برابری، موسم سرما

درخواست: درخواست برائے فیس معاف۔ درخواست برائے داخلہ۔

نوٹ: سلیبس اور تشریح لازمی ہے۔ معہ مصنف اور معہ شاعر۔

Subject: Hindi

Book Prescribed: किशोर भारती भाग - ३

संकल्प व्याकरण - भाग - ८

Unit-I

पाठ्यपुस्तक व्याकरण जय जन भारत, हेर फेर, क्यों यह आग बुझाओगे, राजेन्द्र बाबू, संज्ञा परिभाषा तथा भेद, सामन्य अशुद्धियाँ

Unit-II

पाठ्यपुस्तक व्याकरण अपराजिता, राजा सेंगे नमग्यल, जीवन नहीं मरा करता है, मुक्ति लिंग, वचन, शब्दकोष का प्रयोग।

Subject: Kashmiri

یونٹ اکھ

سبق: دُعا دینے آمتین سوالن ہندی جواب، لفظن ہند معنہ

دہد رانی قیاسی ناوتی بناونی، نظم کتھ چھ ونان، کاشتر زبانی ہنز زان موخصر پٹھو

یونٹ ز

آن پوشہ تیلہ پیلہ ون پوشہ محاورن ہندی معنی، دینے آمتین سوالن ہندی جواب، اشارناوت ورتاوس منز انہی،

جملن منز لفظن ہندی ضد ڈھارنی۔

رفاقت غزلہ متعلق زان دینی، بچہ شار لیکھنس کن راعب کرنی، مضمون کتھی پٹھی چھ لیکھان تہ بناوان

کرناوت ورتاوس منز انہی۔

Subject: Punjabi

UNIT I :-

- ਮੁੜ ਵਜੋਏ
- ਗੱਲ ਬਾਜ਼
- ਹੋਰ ਦਾ ਹੋਰ ਕੀ

ਵਿਆਕਰਣ :-

- ਨਾਂਵ ਅਤੇ ਪੜਨਾਂਵ ਦੀ ਪਛਿਤਾਯਾ ਅਤੇ ਉਨ੍ਹਾਂ ਦੇ ਭੇਦ
- ਵਚਨ ਅਤੇ ਲਿੰਗ ਚਰਚ
- ਵਿਰੋਧਾਤਮੀ ਸ਼ਬਦ

UNIT II

- ਗਿੱਦੜ ਸਿੰਘ
- ਬਣੀ ਸਾਹਿਬ ਕੌਰ
- ਤੁਆ ਲੋਕ ਦਾ ਵਿਹੜਾ

ਵਿਆਕਰਣ

- ਵਿਰਿਆ ਦੀ ਪਛਿਤਾਯਾ
- ਵਿਰੋਧਾਤਮਕ ਸ਼ਬਦ