

# **Nishan -E-Sikhi International School, Khadur Sahib**

**Session 2021-22**

**Syllabus for class 6<sup>th</sup>**

**Subject: Mathematics**

**Blue Print: Written exam: 80 marks**

<b>Marks</b>	<b>Number of Questions</b>	<b>Total</b>
1 mark	6	$1 \times 6 = 6$
2 mark	6	$2 \times 6 = 12$
3 mark	10	$3 \times 10 = 30$
4 mark	8	$4 \times 8 = 32$

**Internal Assessments- 20 marks**

- Periodic test – 10 marks
- Notebook submission- 5 marks
- Art Integrated Project – 5marks

## **Term- 1**

PT-1 Chapter 1 (Knowing our numbers)

PT- 2 Chapter 5 (Addition and subtraction of integers)

<b>Chapter number</b>	<b>Name of Chapter</b>
1	Knowing our numbers
2	Playing with numbers
3	Whole numbers
4	Negative numbers and integers
5	Addition and subtraction of integers
6	Fractions
10	Basic geometrical ideas
15	Data handling ( Ex-15.1 , 15.2)

### **Art integrated activities:**

1. To make a cube using the given net and count the number of faces, vertices and edges.
2. To perform addition and subtraction of integers using different coloured button/ counter.
3. To represent decimal numbers 0.25, 0.5, 0.75 and 0.68 etc. using  $10 \times 10$  grids.
4. Practical geometry
  - a) Parallel lines

b) Perpendicular line

c) Congruent lines

**Art integrated project.-**

Fractions

**Term 2**

PT-3 Chapter 7 (Decimal)

PT-4 Chapter 8 (Introduction to algebra) , chapter 15 (Data handling ex – 15.3, 15.4)

Chapter Number	Name of chapter
7	Decimal
8	Introduction to algebra
9	Ratio, proportion and unitary method
11	Understanding elementary shapes
12	Symmetry
13	Practical geometry
14	Perimeter and area
15	Data handling

**Art Integrated activities:..**

1. Concept of ratio by using real life examples.
2. Creating frequency table with the help of real life examples.
3. To determine the number of symmetry of the following shapes by paper folding:

a) Equilateral triangle

b) Isosceles triangle

c) Square

d) Rectangle

e) Rhombus

4. Practical geometry

To construct Angles (  $60^{\circ}$  ,  $90^{\circ}$  ,  $120^{\circ}$  )

**Art Integrated Project**

To classify the triangles on the basis of sides and angles from the given set of triangles using model

**Note:** Ch. - 1, 6 and 15 is included in term 2.

## ਸਿਲੇਬਸ-ਪੰਜਾਬੀ

### ਜਮਾਤ-ਛੇਵੀਂ

ਨੋਟ: ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਸਿਲੇਬਸ ਨੂੰ ਦੋ ਭਾਗਾਂ ਵਿੱਚ ਵੰਡਿਆ ਗਿਆ ਹੈ, ਸਤਰ ਪਹਿਲੀ ਤੇ ਸਤਰ ਦੂਸਰੀ।

### ਸਤਰ-ਪਹਿਲੀ

ਪਾਠ-ਪੁਸਤਕ ਰਿਸ਼ਮਾਂ

ਪਾਠ1.ਪ੍ਰਭਾਤ ਹਾਂ ਮੈਂ (ਕਵਿਤਾ)

ਪਾਠ2.ਆਪਣੇ-ਆਪਣੇ ਥਾਂ ਸਾਰੇ ਚੰਗੇ (ਕਹਾਣੀ)

ਪਾਠ3.ਭਾਸ਼ਾ ਦਾ ਗਣਿਤ(ਲੇਖ) ਮੌਖਿਕ ਪ੍ਰੀਖਿਆ ਲਈ

ਪਾਠ4.ਕੀੜੀ (ਕਵਿਤਾ)

ਪਾਠ5.ਸ਼ਰਤ (ਕਹਾਣੀ)

ਪਾਠ6.ਸ਼ਾਬਾਸ਼! ਸੁਮਨ (ਕਹਾਣੀ)

ਪਾਠ7.ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ (ਲੇਖ)

ਪਾਠ8.ਇੱਕ ਪਿਆਲਾ ਪਾਣੀ (ਕਵਿਤਾ)

ਪਾਠ9.ਸੁੰਢ ਤੇ ਹਲਦੀ(ਕਹਾਣੀ)

ਪਾਠ10.ਤੀਆਂ ਦਾ ਤਿਉਹਾਰ(ਲੇਖ)

ਪਾਠ11. ਜੋਤਸ਼ੀ (ਇਕਾਂਗੀ)

ਵਿਆਕਰਨ:ਪਰਮਵੀਰ

ਪਾਠ1.ਭਾਸ਼ਾ

ਪਾਠ2.ਵਿਆਕਰਨ

ਪਾਠ3.ਵਰਨਬੋਧ ਅਤੇ ਵਰਨਮਾਲਾ

ਪਾਠ4.ਲਿਪੀ ਲਗਾਂ ਅਤੇ ਲਗਾਖਰ

ਪਾਠ5.ਸ਼ਬਦ-ਬੋਧ ਅਤੇ ਸ਼ਬਦ-ਰਚਨਾ

ਪਾਠ7.ਨਾਂਵ

ਪਾਠ10.ਪੜਨਾਂਵ

ਲਘੂ-ਵਿਆਕਰਨ:ਲਿੰਗ,ਵਚਨ,ਵਿਰੋਧੀ ਸ਼ਬਦ,ਅਸ਼ੱਧ-ਸ਼ੁੱਧ ਸ਼ਬਦ-ਜੋੜ,ਸਮਾਨਾਰਥਕ ਸ਼ਬਦ,ਮੁਹਾਵਰੇ ਅਤੇ ਬਹੁਤੇ ਸ਼ਬਦਾਂ ਦੀ ਥਾਂ ਇੱਕ ਸ਼ਬਦ।

ਰਚਨਾ-ਭਾਗ (1) ਲੇਖ ਰਚਨਾ

(2)ਬਿਨੈ-ਪੱਤਰ ਤੇ ਚਿੱਠੀਆ

(3)ਕਹਾਣੀ ਰਚਨਾ

(4)ਅਣਡਿੱਠਾ ਪੈਰੂ

ਪੀ.ਟੀ.-(1)ਪਾਠ ਪੁਸਤਕ- ਪਾਠ-5 ਸ਼ਰਤ

ਵਿਆਕਰਨ-ਪਾਠ-3 ਵਰਨਬੋਧ ਅਤੇ ਵਰਨਮਾਲਾ.ਬਹੁਤੇ ਸ਼ਬਦਾਂ ਦੀ ਥਾਂ ਇੱਕ ਸ਼ਬਦ।

ਪੀ.ਟੀ.-(2)ਪਾਠ-ਪੁਸਤਕ- ਪਾਠ-8 ਇੱਕ ਪਿਆਲਾ ਪਾਣੀ

ਵਿਆਕਰਨ-ਪਾਠ-7 ਨਾਂਵ,ਸਮਾਨਾਰਥਕ ਸ਼ਬਦ।

ਸਤਰ-ਦੂਸਰੀ

ਪਾਠ-ਪੁਸਤਕ ਰਿਸ਼ਮਾਂ

ਪਾਠ12.ਆਓ ਤੇ ਜਾਓ (ਕਵਿਤਾ)

ਪਾਠ13.ਸੱਚ ਦੀ ਲੋਅ (ਕਹਾਣੀ)

ਪਾਠ14.ਪੀਲਾ ਸਵੈਟਰ (ਕਹਾਣੀ)

ਪਾਠ15.ਮੈਂ ਪਾਇਲਟ ਬਣਾਂਗੀ (ਲੇਖ)

ਪਾਠ16.ਪੰਛੀਆਂ ਦਾ ਗੀਤ (ਕਵਿਤਾ)

ਪਾਠ17.ਬਾਬੇ ਦਾ ਪੁੱਤਰ (ਕਹਾਣੀ)

ਪਾਠ18.ਪੁਲਾੜ ਪਰੀ: ਸੁਨੀਤਾ ਵਿਲੀਅਮਜ਼ (ਲੇਖ)

ਪਾਠ19.ਹਿੰਦਵਾਸੀਆਂ ਨੂੰ ਅੰਤਿਮ ਸੰਦੇਸ਼ (ਕਵਿਤਾ)

ਪਾਠ20.ਕਾਬਲੀ ਵਾਲਾ (ਕਹਾਣੀ) ਮੌਖਿਕ ਪ੍ਰੀਖਿਆ ਲਈ

ਪਾਠ21.ਸ਼ੱਕ (ਇਕਾਂਗੀ)

ਨੋਟ: ਸਤਰ ਪਹਿਲੀ ਦੇ ਹੇਠ ਲਿਖੇ ਪਾਠ ਸਤਰ ਦੂਸਰੀ ਵਿੱਚ ਸ਼ਾਮਿਲ ਕੀਤੇ ਜਾਣਗੇ।

ਪਾਠ 8.ਇੱਕ ਪਿਆਲਾ ਪਾਣੀ (ਕਵਿਤਾ)

ਪਾਠ 10.ਤੀਆਂ ਦਾ ਤਿਉਹਾਰ (ਲੇਖ)

ਵਿਆਕਰਨ:ਪਰਮਵੀਰ

ਪਾਠ11.ਵਿਸ਼ੇਸ਼ਣ

ਪਾਠ12.ਕਿਰਿਆ

ਪਾਠ13.ਕਾਲ

ਪਾਠ15.ਸੰਬੰਧਕ,ਯੋਜਕ ਤੇ ਵਿਸਮਿਕ

ਪਾਠ24.ਵਿਸਰਾਮ ਚਿੰਨ੍ਹ

ਨੋਟ: ਸਤਰ ਪਹਿਲੀ ਦੇ ਵਿਆਕਰਨ ਦੇ ਹੇਠ ਲਿਖੇ ਪਾਠ ਸਤਰ ਦੂਸਰੀ ਵਿੱਚ ਸ਼ਾਮਿਲ ਕੀਤੇ ਜਾਣਗੇ।

ਪਾਠ 7.ਨਾਂਵ

ਪਾਠ 10.ਪੜਨਾਂਵ

ਲਘੂ ਵਿਆਕਰਨ :ਬਹੁ-ਅਰਥਕ ਸ਼ਬਦ,ਅਰਥ-ਭੇਦ,ਸ਼ਬਦ-ਰੂਪਾਂਤਰਨ,ਲਿੰਗ ਬਦਲੋ,ਵਚਨ ਬਦਲੋ,ਮੁਹਾਵਰੇ ਤੇ ਸਮਾਨਾਰਥਕ ਸ਼ਬਦ।

ਰਚਨਾ ਭਾਗ: (1) ਲੇਖ ਰਚਨਾ

(2) ਬਿਨੈ-ਪੱਤਰ ਤੇ ਚਿੱਠੀਆ

(3) ਡਾਇਰੀ ਲੇਖਣ ਤੇ ਇਸ਼ਤਿਹਾਰ ਵਰਣਨ

(4) ਅਣਡਿੱਠਾ ਪੈਰਾ

ਪੀ.ਟੀ.-(3) ਪਾਠ ਪੁਸਤਕ-ਪਾਠ 12 ਆਓ ਤੇ ਜਾਓ (ਕਵਿਤਾ)

ਵਿਆਕਰਨ:ਪਾਠ 12.ਕਿਰਿਆ,ਸਮਾਨਾਰਥਕ ਸ਼ਬਦ।

ਪੀ.ਟੀ.-(4) ਪਾਠ ਪੁਸਤਕ-ਪਾਠ 18 ਪੁਲਾੜ ਪਰੀ : ਸੁਨੀਤਾ ਵਿਲੀਅਮਜ਼ (ਲੇਖ)

ਵਿਆਕਰਨ:ਪਾਠ 15.ਸੰਬੰਧਕ,ਯੋਜਕ ਤੇ ਵਿਸਮਿਕ,ਮੁਹਾਵਰੇ।

### **ਸ਼ੈਸ਼ਨ (2021-2022) ਲਈ ਜਮਾਤ ਛੇਵੀਂ ਦੀਆਂ ਗਤੀਵਿਧੀਆਂ**

**ਆਰਟ ਇੰਟੀਗ੍ਰੇਸ਼ਨ :-** (1) 'ਦੀਵਾਲੀ ਦੇ ਤਿਉਹਾਰ' ਨਾਲ ਸੰਬੰਧਿਤ ਇੱਕ ਪ੍ਰੋਜੈਕਟ ਤਿਆਰ ਕਰੋ।

**ਸਤਰ ਪਹਿਲੀ ਦੀ ਗਤੀਵਿਧੀ:-** (1) ਵਿਸ਼ੇਸ਼ ਅਤੇ ਇਸਦੀਆਂ ਕਿਸਮਾਂ ਨਾਲ ਸੰਬੰਧਿਤ ਇੱਕ ਚਾਰਟ ਤਿਆਰ ਕਰੋ।

**ਸਤਰ ਦੂਜੀ ਦੀ ਗਤੀਵਿਧੀ:-** (1) ਇੱਕ ਤੋਂ ਸੌ ਤੱਕ ਗਿਣਤੀ ਨੂੰ ਦਰਸਾਉਂਦੇ ਹੋਏ ਇੱਕ ਰੰਗਦਾਰ ਚਾਰਟ ਤਿਆਰ ਕਰੋ।

**CLASS- VI SCIENCE**

**Session (2021-2022)**

**Book- Start up Science6**

**First Term**

**Periodic Test I-** Chapter 5,12

**Periodic Test II-** Chapter 2, 11

Chapter 1- Sources of food

Chapter 2- Components of food

Chapter 3- Separation of substances

Chapter 4- Materials of daily use: Clothes

Chapter 5- Grouping materials of different kinds

Chapter 11- Motion and measurement of distances

Chapter 12- Electric current and circuits

Chapter 16- Importance of water

Chapter 18 Waste (only for reading)

**DIAGRAMS:** Balanced Diet, rain water harvesting, composition of air, process of filtration, electric cell.

**ACTIVITIES:**

1. Preparation of sprouts.
2. To find out the ingredients in different food items.
3. To test the presence of protein, starch, carbohydrates and fat in food items.
4. To separate the components of mixture by filtration, sedimentation, decantation and
5. Classification of given materials on the basis of properties such as hardness, softness, solubility in water, transparency
5. Recognize periodic and circular motion.
6. Measurement of perimeter of a circular object by using a thread.
7. How to make an electric circuit.
8. How can we identify conductors and insulators?

**SECOND TERM**

**Periodic test 3 Ch.6,9**

**Periodic test 4 Ch. 7,15**

Ch. 6 How things change

Ch. 7 Things around us

Ch. 8 The habitat of living

Ch. 9 Plants –form and function

Ch. 10 Animals-form and function

Ch. 13 Magnets

Ch. 14 Rain, thunder and lightning

Ch.15 Light

Ch.17 importance of Air( only for reading)

**DIAGRAMS**

Parts of a plant, leaf, unicellular organisms, different shapes of a magnet, lateral inversion.

**LAB ACTIVITIES**

1. How can a saturated solution be made to dissolve more substance in it.
2. Difference between changes that can be reversed and those which cannot be reversed?
3. Study the venation pattern in leaves.
4. Observing the different types of joints in human skeletal system.
5. How can we test whether a given material is magnetic or not?
6. Does a magnet attract iron filling equally at all points?
7. Do all substances allow light to pass through them?
8. How can we make an opaque object translucent?
9. What happens when light falls on a plane mirror?

**Art integrated activities(Any two)**

**4.1.1.1** Study of visual resources (at home and in surrounding) and means of creative expression.

**4.1.1.1.2** Sketching from nature and surrounding.

**4.1.2.1** study of basic forms in clay.

**4.1.2.1.1** study of various materials such as clay, plaster of paris, soft stone, wood (block, twigs and branches, roots) metal scraps, plastic sheets, bamboo, wire thread, papers and cardboard vegetables and other throw away available materials.

**4.1.2.1.2** study of natural and man made forms, human figures, birds, animals, vegetation and other objects like household items buildings or as desired by students.

**4.1.2.1.3** objects of day to day use in groups and in different settings and arrangements.

### **Art interdisciplinary activity**

The solar system



Chapter number	name of the chapter
Ch – 7	microsoft excel 2010
Ch – 8	editing a worksheet
Ch – 9	Log on to animate CC

**Practical :** ch – 7 microsoft excel 2010 , ch – 8 editing a worksheet , ch – 10 working with animate CC

# Nishan -E-Sikhi International School, Khadur Sahib

Session 2021-22

Syllabus for class 6<sup>th</sup>

Subject: Mathematics

Blue Print: Written exam: 80 marks

Marks	Number of Questions	Total
1 mark	6	$1 \times 6 = 6$
2 mark	6	$2 \times 6 = 12$
3 mark	10	$3 \times 10 = 30$
4 mark	8	$4 \times 8 = 32$

Internal Assessments- 20 marks

- Periodic test – 10 marks
- Notebook submission- 5 marks
- Art Integrated Project – 5marks

## Term- 1

PT-1 Chapter 1 (Knowing our numbers)

PT- 2 Chapter 5 (Addition and subtraction of integers)

Chapter number	Name of Chapter
1	Knowing our numbers
2	Playing with numbers
3	Whole numbers
4	Negative numbers and integers
5	Addition and subtraction of integers
6	Fractions
10	Basic geometrical ideas
15	Data handling ( Ex-15.1 , 15.2)

### Art integrated activities:

1. To make a cube using the given net and count the number of faces, vertices and edges.
2. To perform addition and subtraction of integers using different coloured button/ counter.
3. To represent decimal numbers 0.25, 0.5, 0.75 and 0.68 etc. using  $10 \times 10$  grids.
4. Practical geometry
  - a) Parallel lines

b) Perpendicular line

c) Congruent lines

**Art integrated project.-**

Fractions

**Term 2**

PT-3 Chapter 7 (Decimal)

PT-4 Chapter 8 (Introduction to algebra) , chapter 15 (Data handling ex – 15.3, 15.4)

Chapter Number	Name of chapter
7	Decimal
8	Introduction to algebra
9	Ratio, proportion and unitary method
11	Understanding elementary shapes
12	Symmetry
13	Practical geometry
14	Perimeter and area
15	Data handling

**Art Integrated activities:..**

1. Concept of ratio by using real life examples.
2. Creating frequency table with the help of real life examples.
3. To determine the number of symmetry of the following shapes by paper folding:

a) Equilateral triangle

b) Isosceles triangle

c) Square

d) Rectangle

e) Rhombus

4. Practical geometry

To construct Angles (  $60^{\circ}$  ,  $90^{\circ}$  ,  $120^{\circ}$  )

**Art Integrated Project**

To classify the triangles on the basis of sides and angles from the given set of triangles using model

**Note:** Ch. - 1, 6 and 15 is included in term 2.

Nishan-e-Sikhi International School, Khadur Sahib

Class-6th

Syllabus - General Knowledge

2021-2022

(Term -1)

Cha:- 1: About The India

2: Abbreviations

3: Famous Places & Temples

4: About the States

5: True or False

6: Inventions

7: Trademark products

8: Amazing Facts

9: Old Names

10: Puzzle

11: Tools and Instruments

12: First in India

13: Jumbled Words

14: Road Signs

15: Special persons And Places Word Grid

16: Major Festivals of India

17: Flags

18: Quotations

19: Sports Pictograms

20: Association of Places

21: Clues

(Term -2)

- 22: Books and Their Authors
- 23: Food for A Healthy Boy
- 24: Do you Know Why ?
- 25: Cities on Important Rivers
- 26: Reasoning
- 27: Circle The Odd One
- 28: Spell Correctly
- 29: Problem Figures
- 30: Find the Right Answer
- 31: Find The Different
- 32: Find The Different Pair
- 33: Choose The Correct Answer
- 34: Supply The Missing Number
- 35: Common Feature
- 36: Place The Correct Number
- 37: Current Affairs
- 38: Knowledge About India
- 39: About India
- 40: Knowledge About The Word
- 41: What is GST?
- 42: Is it Fact or Opinion?



Nishan-e-Sikhi International School, Khadur Sahib

Class-6th

Syllabus - General Knowledge

2021-2022

(Term -1)

Cha:- 1: About The India

2: Abbreviations

3: Famous Places & Temples

4: About the States

5: True or False

6: Inventions

7: Trademark products

8: Amazing Facts

9: Old Names

10: Puzzle

11: Tools and Instruments

12: First in India

13: Jumbled Words

14: Road Signs

15: Special persons And Places Word Grid

16: Major Festivals of India

17: Flags

18: Quotations

19: Sports Pictograms

20: Association of Places

21: Clues

(Term -2)



- 22: Books and Their Authors
- 23: Food for A Healthy Boy
- 24: Do you Know Why ?
- 25: Cities on Important Rivers
- 26: Reasoning
- 27: Circle The Odd One
- 28: Spell Correctly
- 29: Problem Figures
- 30: Find the Right Answer
- 31: Find The Different
- 32: Find The Different Pair
- 33: Choose The Correct Answer
- 34: Supply The Missing Number
- 35: Common Feature
- 36: Place The Correct Number
- 37: Current Affairs
- 38: Knowledge About India
- 39: About India
- 40: Knowledge About The Word
- 41: What is GST?
- 42: Is it Fact or Opinion?

