

## **Suggestions on Subject Enrichment Activities**

In the recently held Principals' Conference at Jalandhar ,Principals wanted to know about the number of Subject Enrichment Activities to be conducted per Term in each subject from Classes III-X as per the new guidelines issued by CBSE and KVS vide letter bearing No. CBSE/CM/2017 dated 21.03.2017 and 110331-01/2017-KVS/Acad/CBSE dated 26.04.2017 respectively. The weightage given to each subject is supposed to be reduced from 25 marks to 5%. In order to have a uniform structure in the Region, a Committee consisting of following Principals was constituted to look into the issue and to suggest about the conduct of SEAs.

S.No.	Name	KV
1.	Sh. Jugal Kishore, Principal	Sec-29, Chd
2.	Mrs. Sham Chawla, Principal	Highgrounds
3.	Mr. Rajinder Kumar, Principal	Zirakpur

Committee discussed the issue in details and taken the view of Vice Principal Mrs. Vandana Walia, KV Sec-29, Chd, Mrs. Mridul Sharma, HM KV Sec-47, Chd and Mrs. Sanju Sundi, HM, KV Sec-29, Chd, the committee suggested the following activities subject wise. These suggestions are sent to all the principals of KV under Chandigarh Region with the objective to go through these subject wise activities and give their Comments/Observation before finalization.

These comments/suggestions should be mailed to Regional Office latest by 18.08.2017

### **LANGUAGES (English& Hindi)-Class III – V**

Five activities to be conducted in each Term as per the details given below:

- Class Magazine should be considered as compulsory activity for all the students. Assessment of this Activity may be done twice i.e.in Term I & II.
- Subject teacher will choose any 4 Activities out of the list circulated by KVS HQ (attached in Annexure I for ready reference) for Term-I and other 4 Activities for Term-II. A sample of five

activities along with their rubrics is attached in Annexure II for teachers.

### MATHEMATICS - CLASS III – V

Five activities to be taken in each Term as per the details given below:

- Dodging Tables & Mental Math is to be considered as compulsory activities for both the terms.
- Subject teacher will choose any 3 Activities for Term-I and other 3 Activities for Term-II. From the Maths Lab Activities. The class-wise link for the same is given below:

[http://49.50.70.100/web\\_material/publication/archive/Maths%20activities%20for%203-8%202008.doc](http://49.50.70.100/web_material/publication/archive/Maths%20activities%20for%203-8%202008.doc)

This link is given in CBSE Circular

Circular No.: Acad- 14 /2017 Date: 21/03/2017

- A sample of five activities along with their rubrics is attached in Annexure II for teachers.

### EVS- CLASS III – V

Five activities to be taken in each Term as per the details given below:

- Map Work & Poster Making (on different Themes) are to be considered as compulsory activities for both the terms.
- Subject teacher will choose other 4 activities in the Term-I and Term-II each from the Subject Enrichment Activities sent by KVS HQ (attached in Annexure I for ready reference) .A sample of five activities along with the rubrics is attached in Annexure IV for teachers.

**Note:** 1. Each Subject Enrichment Activity will be of 5 Marks. Total of 5 Activities which comes out to be 25 should be reduced to 5% weightage to be given in the Internal Assessment of each Term.

2. List of Suggested Subject Enrichment Activities are mentioned in Annexure-I.

<b>SUBJECT ENRICHMENT ACTIVITIES</b> <b>SESSION:2017-18</b> <b>CLASS:III -V</b>	
<b>CLASS:III - V</b>	<b>SUBJECT :- MATHEMATICS</b>
<b>ACTIVITY 1: DODGING TABLES</b>	
<b>MONTH</b> _____	<b>AREAS OF ASSESSMENT (RUBRICS)</b>
	RESPONSE 1 (1)
	RESPONSE 2 (1)
	RESPONSE 3 (1)
	RESPONSE 4 (1)
	RESPONSE 5 (1)
<b>ACTIVITY 2: MENTAL MATHS</b>	
<b>MONTH</b> _____	<b>AREAS OF ASSESSMENT (RUBRICS)</b>
	RESPONSE 1 (1)
	RESPONSE 2 (1)
	RESPONSE 3 (1)
	RESPONSE 4 (1)
	RESPONSE 5 (1)
<b>ACTIVITY 3: MATH LAB ACTIVITY 1</b>	
<b>MONTH</b> _____	<b>AREAS OF ASSESSMENT (RUBRICS)</b>
	OBSERVATION (1)
	COMPUTING SKILLS (1)
	DRAWING SKILLS (1)
	CONFIDENCE(1)
	CONCLUSION (1)
<b>ACTIVITY 4: MATH LAB ACTIVITY 2</b>	
<b>MONTH</b> _____	<b>AREAS OF ASSESSMENT (RUBRICS)</b>
	OBSERVATION (1)
	COMPUTING SKILLS (1)
	DRAWING SKILLS (1)
	CONCLUSION (2)
<b>ACTIVITY 5: MATH LAB ACTIVITY 3</b>	
<b>MONTH</b> _____	<b>AREAS OF ASSESSMENT (RUBRICS)</b>
	OBSERVATION (1)
	COMPUTING SKILLS (1)
	DRAWING SKILLS (1)
	CONCLUSION (2)

<b>SUBJECT ENRICHMENT ACTIVITIES</b> <b>SESSION:2017-18</b> <b>CLASS:III -V</b>	
<b>CLASS:III -V</b>	<b>SUBJECT :- ENGLISH</b>
<b>ACTIVITY 1: ALOUD READING OF TEXT</b>	
<b>MONTH _____</b>	AREAS OF ASSESSMENT (RUBRICS)
	PRONUNCIATION (2)
	FLUENCY/ SPEED (2)
	PUNCTUATION (1)
<b>ACTIVITY 2: POEM RECITATION</b>	
<b>MONTH _____</b>	AREAS OF ASSESSMENT (RUBRICS)
	PRONUNCIATION (2)
	RHYTHM/ STRESS (2)
	CONFIDENCE (1)
<b>ACTIVITY 3:LISTENING COMPREHENSION</b>	
<b>MONTH _____</b>	AREAS OF ASSESSMENT (RUBRICS)
	RESPONSE 1 (1)
	RESPONSE 2 (1)
	RESPONSE 3 (1)
	RESPONSE 4 (1)
	RESPONSE 5 (1)
<b>ACTIVITY 4: 2</b>	<b>PREPARED SPEECH</b>
<b>MONTH _____</b>	AREAS OF ASSESSMENT (RUBRICS)
	SPEED (1)
	PRONUNCIATION (1)
	CONFIDENCE (1)
	OVERALL IMPACT (2)
<b>ACTIVITY 5: 3</b>	<b>SHOW AND SPEAK</b>
<b>MONTH _____</b>	AREAS OF ASSESSMENT (RUBRICS)
	RELEVANCE TO THE TOPIC (2)
	FORMATION OF SENTENCES (2)
	OVERALL IMPACT (1)
	OVERALL IMPACT (1)

<b>SUBJECT ENRICHMENT ACTIVITIES</b> <b>SESSION:2017-18</b> <b>CLASS:III -V</b>	
<b>CLASS:III -V</b>	<b>SUBJECT :- हिंदी</b>
<b>ACTIVITY 1: जोर से पढ़ना</b>	
<b>MONTH _____</b>	AREAS OF ASSESSMENT (RUBRICS)
	उच्चारण (2)
	प्रवाह / गति (2)
	विरामादी चिन्ह (1)
<b>ACTIVITY 2: कविता का सस्वर पाठ</b>	
<b>MONTH _____</b>	AREAS OF ASSESSMENT (RUBRICS)
	उच्चारण (2)
	ताल (2)
	आत्मविश्वास (1)
<b>ACTIVITY 3: सुनना और समझना</b>	
<b>MONTH _____</b>	AREAS OF ASSESSMENT (RUBRICS)
	उत्तर 1 (1)
	उत्तर 2 (1)
	उत्तर 3 (1)
	उत्तर 4 (1)
	उत्तर 5 (1)
<b>ACTIVITY 4: भाषण</b>	
<b>MONTH _____</b>	AREAS OF ASSESSMENT (RUBRICS)
	गति (1)
	उच्चारण(1)
	समग्रप्रभाव (2)
	आत्मविश्वास (1)
<b>ACTIVITY 5: दिखाओ और बताओ</b>	
<b>MONTH _____</b>	AREAS OF ASSESSMENT (RUBRICS)
	प्रासंगिकता (2)
	वाक्यों का गठन (2)
	समग्र प्रभाव (1)

<b>SUBJECT ENRICHMENT ACTIVITIES</b> <b>SESSION:2017-18</b> <b>CLASS:III -V</b>	
<b>CLASS:III -V</b>	<b>SUBJECT :- EVS</b>
<b>ACTIVITY 1: POSTER MAKING</b>	
<b>MONTH _____</b>	<b>AREAS OF ASSESSMENT (RUBRICS)</b>
	CO-RELATION WITH THEME (2)
	INNOVATIVE IDEA (1)
	NEATNESS (2)
<b>ACTIVITY 2: MAP WORK</b>	
<b>MONTH _____</b>	<b>AREAS OF ASSESSMENT (RUBRICS)</b>
	RESPONSE 1 (1)
	RESPONSE 2 (1)
	RESPONSE 3 (1)
	RESPONSE 4 (1)
	RESPONSE 5 (1)
<b>ACTIVITY 3:GROUP DISCUSSION</b>	
<b>MONTH _____</b>	<b>AREAS OF ASSESSMENT (RUBRICS)</b>
	KNOWLEDGE (2)
	CONFIDENCE (1)
	EXPRESSION (1)
	PARTICIPATION (1)
<b>ACTIVITY 4: PROJECT WORK</b>	
<b>MONTH _____</b>	<b>AREAS OF ASSESSMENT (RUBRICS)</b>
	CREATIVITY (2)
	RELEVANCE (1)
	EXPRESSION (1)
	NEATNESS (1)
<b>ACTIVITY 5: EXPERIMENT/ MCQ</b>	
<b>MONTH _____</b>	<b>AREAS OF ASSESSMENT (RUBRICS)</b>
	RESPONSE 1 (1)
	RESPONSE 2 (1)
	RESPONSE 3 (1)
	RESPONSE 4 (1)
	RESPONSE 5 (1)

## **SUBJECT ENRICHMENT ACTIVITIES**

### **SUBJECT: ENGLISH**

#### **CLASS VI TO VIII**

- Total 5 activities per term will be conducted from class VI to VIII. Each activity will carry 5 marks.
- Total (25) will be further reduced to 5.
- Out of 5 activities in Term-I, 3 activities will pertain to Listening and 2 Activities to speaking. In Term -II, 3 Activities will pertain to Speaking and 2 to listening. Teacher may read out a story or any other text followed by five questions to be responded on a given sheet of paper, on which students will write responses. Each response will be of 1 mark.
- There will be 2 /3 Speaking Activities.
  - (a) One Conversation Activity is mandatory.
  - (b) Choose other activities from the list of Subject Enrichment Activities given in Uniform Evaluation System of Assessment.
- Total- 15 (listening) + 10 (speaking) = 25 marks (reduced to 5) in Term-I and Total-15(speaking) +10(listening) =25 marks (to be reduced to 5) in Term-II.

#### **CLASS IX TO X**

- There will be 5 activities in the whole session. Each activity will carry 5 marks.
- 3 Speaking Activities carrying 5 marks each are compulsory.
- 2 Listening Activities are to be conducted in the session.
- One conversation Activity out of the 3 speaking activities is mandatory.
- The other Speaking Activities can be decided by the teacher from Subject Enrichment Activities sent by KVS HQ (attached in Annexure I for ready reference)
- A sample of five activities along with the rubrics is attached in Annexure II for teachers.

**SUBJECT ENRICHMENT ACTIVITIES**

**SUBJECT: ENGLISH**

**CLASS VI TO X**

<b>CLASS:VI-X</b>	<b>SUBJECT :- ENGLISH/HINDI</b>
<b>ACTIVITY 1: LISTENING COMPREHENSION</b>	
<b>MONTH _____</b>	<b>AREAS OF ASSESSMENT (RUBRICS)</b>
	RESPONSE 1 (1)
	RESPONSE 2 (1)
	RESPONSE 3 (1)
	RESPONSE 4 (1)
	RESPONSE 5 (1)
<b>ACTIVITY 2: SPEECH DELIVERY</b>	
<b>MONTH _____</b>	<b>AREAS OF ASSESSMENT (RUBRICS)</b>
	PRONUNCIATION (2)
	RELEVANCY WITH THE TOPIC(2)
	CONFIDENCE (1)
<b>ACTIVITY 3: CONVERSATION SKILLS</b>	
<b>MONTH _____</b>	<b>AREAS OF ASSESSMENT (RUBRICS)</b>
	INTERACTIVE COMPETENCY(2)
	FLUENCY (2)
	PRONUNCIATION(1)
<b>ACTIVITY 4: EXTEMPORE</b>	
<b>MONTH _____</b>	<b>AREAS OF ASSESSMENT (RUBRICS)</b>
	RELEVANCY WITH THE TOPIC(2)
	PRONUNCIATION AND CONFIDENCE(2)
	OVERALL IMPACT(1)
<b>ACTIVITY 5: SHOW AND TELL</b>	
<b>MONTH _____</b>	<b>AREAS OF ASSESSMENT (RUBRICS)</b>
	RELEVANCE TO THE TOPIC (2)
	FORMATION OF SENTENCES (2)
	OVERALL IMPACT (1)



# विषय समृद्ध क्रियाकलाप

विषय- हिन्दी सत्र-2017-18

कक्षा:6-10

1. कुल पाँच क्रियाकलाप प्रत्येक अवधि मूल्यांकन हेतु रखे जाएंगे।
  2. कुल 25 अंको को पाँच अंक में परिवर्तित किया जाएगा।
  3. पाँच क्रियाकलाप में से तीन क्रियाकलाप बोलने से संबन्धित तथा एक सुनने से संबन्धित तथा एक विचारिक।
  4. एक संवाद संबन्धित क्रियाकलाप अनिवार्य है।
  5. (क) कुल (15 बोलना + 5 सुनना + 5 वैचारिक = 25) 5 अंको में परिवर्तित – प्रथम अवधि  
(ख) कुल (15 श्रवण + 5 बोलना + 5 वैचारिक = 25) 5 अंको में परिवर्तित – द्वितीय अवधि
- \*शिक्षक अपने स्तर पर स्वेच्छानुसार विषय देकर मूल्यांकन कर सकता है ।

विषय समृद्ध क्रियाकलापसत्र:2017-18कक्षा:VI-X

कक्षा : <b>VI-X</b>	विषय:- हिंदी
<b>क्रियाकलाप 1: सुनना और समझना</b>	
माह _____	मूल्यांकन क्षेत्र
	उत्तर 1 (1)
	उत्तर 2 (1)
	उत्तर 3 (1)
	उत्तर 4 (1)
	उत्तर 5 (1)
<b>क्रियाकलाप 2: भाषण वितरण</b>	
माह _____	मूल्यांकन क्षेत्र
	उच्चारण (2)
	विषय संबन्धित सामग्री (2)
	आत्मविश्वास (1)
<b>क्रियाकलाप 3: संवाद</b>	
माह _____	मूल्यांकन क्षेत्र
	उच्चारण (2)
	प्रवाह / गति (2)
	आत्मविश्वास (1)
<b>क्रियाकलाप 4: अविचारित (आशु भाषण)</b>	
माह _____	मूल्यांकन क्षेत्र
	विषय संबन्धित सामग्री (2)
	उच्चारण एवं आत्मविश्वास (2)
	समग्र प्रवाह (1)
<b>क्रियाकलाप 5: देखो और बताओ</b>	
माह _____	मूल्यांकन क्षेत्र
	प्रासंगिकता (2)
	वाक्यों का गठन (2)
	समग्र प्रभाव (1)

# **SUBJECT ENRICHMENT ACTIVITIES**

## **SCIENCE**

### **CLASS:VI -X**

- 1.Students will perform all enlisted activities in each Term for Class VI-VIII and for Class IX and X.
- 2.For evaluation purpose students will be given an option of two activities out of the enlisted activities in each Term . Out of two they will attempt only one activity.
- 3.The rubrics forsome Subject Enrichment Activities are mentioned below as a model. Teacher will remain at liberty to identify rubrics for any other selected activity.
4. The Activity will be tested for 25 marks in each Term which will be further reduced to 5.

<b>CLASS: VI-X</b>	<b>SUBJECT :- SCIENCE</b>
<b>ACTIVITY 1: PRACTICALS</b>	
<b>MONTH:-APRIL</b>	AREAS OF ASSESSMENT (RUBRICS)
	APPARATUS HANDLING (2)
	OBSERVATION,CALCULATION & CONCLUSION(3)
<b>ACTIVITY 2: VIVA-VOCE</b>	
<b>MONTH:- MAY</b>	AREAS OF ASSESSMENT (RUBRICS)
	THINKING (1)
	TIME MANAGEMENT (1)
	CORRECT RESPONSE(3)
<b>ACTIVITY 3:SCIENCE DICTIONARY(VI-VIII)/ SCIENCE MAGAZINE(IX-X)</b>	
<b>MONTH:-JUNE-JULY</b>	AREAS OF ASSESSMENT (RUBRICS)
	CONTENT MATTER (3)
	PARTICIPATION (2)
<b>ACTIVITY 4:</b>	<b>PROJECT WORK</b>
<b>MONTH:-AUGUST</b>	AREAS OF ASSESSMENT (RUBRICS)
	CONTENT MATTER (3)
	PRESENTATION (2)
<b>ACTIVITY 5:</b>	<b>AWARENESS PROGRAMMES (CHOOSE ANY ONE) REPRODUCTIVE HEALTH, DISASTER MANAGEMENT OR SPREAD OF COMMUNICALBLE DISEASES</b>
<b>MONTH :- SEPTEMBER</b>	AREAS OF ASSESSMENT (RUBRICS)
	RELEVANCY TO THE TOPIC /INFORMATION COLLECTION(2)
	REPORT PRESENTAION(2)
	ORAL PRESENTATION(1)

# **SUBJECT ENRICHMENT ACTIVITIES**

## **SESSION-2017-18**

### **SUBJECT: SOCIAL SCIENCE**

#### **CLASS VI TO VIII**

- Total 5 activities per term (I term & ii term) will be conducted from class VI to VIII. Each activity will carry 5 marks.
- Total (25) will be further reduced to 5.
- Projects/activities of Social Science Exhibition will also be included in the Subject Enrichment Activity.
- A sample of five activities with the rubrics is mentioned below for teachers' reference.
- Choose other activities from the list of Subject Enrichment Activities given in Uniform Evaluation System of Assessment.
- Total 25 marks (reduced to 5) in Term-I and Total 25 marks (reduced to 5) in Term-II.

#### **Class IX to X**

- There will be 5 activities in the whole session. Each activity will carry 5 marks.
- Total (25) will be further reduced to 5.
- Projects/activities of Social Science Exhibition will also be included in the Subject Enrichment Activity.
- A sample of five activities with the rubrics is attached below for teachers' reference.

Teachers may choose other activities from the list of Subject Enrichment Activities given in Uniform Evaluation System of Assessment and decode rubrics accordingly.

<b>CLASS:VI-X</b>	<b>SUBJECT :- SOCIAL SCIENCE (1<sup>ST</sup> TERM)</b>
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**ACTIVITY 1: MAP SKILLS**

<b>MONTH APRIL</b>	<b>AREAS OF ASSESSMENT (RUBRICS)</b>	<b>5 MARKS</b>
	<b>IDENDIFICATION</b>	<b>2 MARKS</b>
	<b>LABELLING AND ACCURACY</b>	<b>2 MARKS</b>
	<b>PRESENTATION/NEATNESS</b>	<b>1 MARK</b>

**ACTIVITY 2: PROJECT WORK**

<b>MONTH MAY/JUNE</b>	<b>AREAS OF ASSESSMENT (RUBRICS)</b>	<b>5 MARKS</b>
	<b>INQUISTIVENESS</b>	<b>1 MARK</b>
	<b>RESOURCES</b>	<b>1 MARK</b>
	<b>SUBJECT MATTER</b>	<b>2 MARKS</b>
	<b>PRESENTATION</b>	<b>1 MARK</b>

**ACTIVITY 3: QUIZ**

<b>MONTH JULY</b>	<b>AREAS OF ASSESSMENT (RUBRICS)</b>	<b>5 MARKS</b>
	<b>ALERTNESS</b>	<b>1 MARK</b>
	<b>THINKING SKILL</b>	<b>2 MARKS</b>
	<b>TIME MANAGEMENT</b>	<b>1 MARK</b>
	<b>APPLICATION OF KNOWLEDGE</b>	<b>1 MARK</b>

**ACTIVITY 4: SURVEY/COLLECTION OF STAMPS, COINS etc.**

<b>MONTH AUGUST</b>	<b>AREAS OF ASSESSMENT (RUBRICS)</b>	<b>5 MARKS</b>
	<b>DATA COLLECTION(ORIGINALITY)</b>	<b>3 MARKS</b>
	<b>PRESENTATION</b>	<b>2 MARKS</b>

**ACTIVITY 5: SOCIAL SCIENCE EXHIBITION**

<b>MONTH AUG/SEPT</b>	<b>AREAS OF ASSESSMENT (RUBRICS)</b>	<b>5 MARKS</b>
	<b>COLLECTION OF INFORMATION</b>	<b>3 MARKS</b>
	<b>PRESENTATION(CHARTS/ALBUMS)</b>	<b>2 MARKS</b>

**ACTIVITY 6: SOCIAL SCIENCE EXHIBITION**

<b>CLASS:VI-X</b>	<b>SUBJECT :- SOCIAL SCIENCE (II<sup>ND</sup> TERM)</b>
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**ACTIVITY 1: MAP SKILLS**

<b>MONTH OCTOBER</b>	<b>AREAS OF ASSESSMENT (RUBRICS)</b>	<b>5 MARKS</b>
	<b>IDENDIFICATION</b>	<b>2 MARKS</b>
	<b>LABELLING AND ACCURACY</b>	<b>2 MARKS</b>

	<b>PRESENTATION/NEATNESS</b>	<b>1 MARK</b>
<b>ACTIVITY 2: PROJECT WORK</b>		
<b>MONTH NOVEMBER</b>	<b>AREAS OF ASSESSMENT (RUBRICS)</b>	<b>5 MARKS</b>
	<b>INQUISTIVENESS</b>	<b>1 MARK</b>
	<b>RESOURCES</b>	<b>1 MARK</b>
	<b>SUBJECT MATTER</b>	<b>2 MARKS</b>
	<b>PRESENTATION</b>	<b>1 MARK</b>
<b>ACTIVITY 3: SCRAP BOOK ON VISIT TO HISTORICAL PLACE / QUALITIES OF GOOD CITIZEN</b>		
<b>MONTH DECEMBER</b>	<b>AREAS OF ASSESSMENT (RUBRICS)</b>	<b>5 MARKS</b>
	<b>OBSERVATION</b>	<b>2 MARKS</b>
	<b>UNDERSTANDING</b>	<b>1 MARK</b>
	<b>APPLICATION OF KNOWLEDGE</b>	<b>2 MARKS</b>
<b>ACTIVITY 4: QUIZ</b>		
<b>MONTH JANUARY</b>	<b>AREAS OF ASSESSMENT (RUBRICS)</b>	<b>5 MARKS</b>
	<b>ALERTNESS</b>	<b>1 MARK</b>
	<b>THINKING SKILL</b>	<b>2 MARKS</b>
	<b>TIME MANAGEMENT</b>	<b>1 MARK</b>
	<b>APPLICATION OF KNOWLEDGE</b>	<b>1 MARK</b>
<b>ACTIVITY 5: DEBATE/DISCUSSION</b>		
<b>MONTH JAN/FEB</b>	<b>AREAS OF ASSESSMENT (RUBRICS)</b>	<b>5 MARKS</b>
	<b>PARTICIPATION</b>	<b>2 MARKS</b>
	<b>KNOWLEDGE</b>	<b>3 MARKS</b>

# **SUBJECT ENRICHMENT ACTIVITIES**

## **MATHEMATICS**

### **CLASS:VI - X**

- 1.Students will perform all enlisted activities in each Term for Class VI-VIII and for Class IX and X.
- 2.For evaluation purpose students will be given an option of two activities out of the enlisted activities .Out of two they will attempt only one activity.
- 3.The rubrics for Activity are mentioned below for each class.
4. The Activity will be tested for 25 marks in each Term which will be reduced to 5.
5. Term wise activities are mentioned below.



Class-VI

List of Subject Enrichment Activities

MATHS

**Term-1**

1. To find out prime numbers from 1 to 50 without actually checking the factors of a number.
2. To find the sum of two given integers with the help of number line.
3. To verify that addition is commutative for whole numbers.
4. To make a protractor by paper folding.
5. To draw an angle of  $45^{\circ}$  by paper folding

**Term-2**

6. To find the perpendicular bisector of a line segment by paper folding.
7. To make a chord, diameter and sector of a circle by paper folding. Also, to shade the minor and major segment of the circle.
8. To observe the given matchstick patterns and to verify the rules that explain those patterns in terms of a variable.
9. To derive the formula for the area of rectangle
10. To find the centre of a circle by an activity.

Assessment criteria

Areas of Assessment	knowledge	Methodology	Diagrammatic skill	Presentation	Viva - Voce	Total
Max. Mks.	5	5	5	5	5	25

MATHEMATICS ( Class-VII)

List of Subject Enrichment Activities

**Term-1**

1. To represent sum of two fractions by paper cutting and pasting activity.
2. To find the relation between an exterior angle and interior opposite angle of a triangle by an activity.
3. To find the sum of angles of a triangle by an activity.
4. To find the relationship among the sides of a triangle.
5. To verify Pythagoras Property by an activity.

**Term-2**

6. To verify by an activity that two triangles are congruent if the three sides of triangle are respectively equal to the three sides of the other triangle.
7. To construct a right angled when the length of one side and its hypotenuse are given by using ruler compass and pencil.
8. To find the area of parallelogram and triangle by an activity.
9. To find the circumference of the circle and to find the approximate value of  $\pi$  by an activity.
10. Find the area of circle by an activity.

Assessment criteria

Areas of Assessment	knowledge	Methodology	Diagrammatic skill	Presentation	Viva - Voce	Total
Max. Mks.	5	5	5	5	5	25

MATHEMATICS( Class-VIII)

List of Subject Enrichment Activities

**Term-1**

1. Representation of rational number on the number line by a practical activity.
2. To verify the properties of a parallelogram by activity.
3. To verify angle sum property of a quadrilateral by practical activity.
4. To construct a quadrilateral when the lengths of 4- sides and a diagonal are given.
5. To verify the algebraic identity by paper cutting and pasting method:  $(x+a)(x+b)=x^2+(a+b)x+ab$

**Term-2**

6. To verify the algebraic identity by paper cutting and pasting method:  $(a+b)^2 =a^2+2ab+b^2$
7. To find the area of trapezium by activity method.
8. To find the area of a circle by activity method.
9. To find the curved surface area of a cylinder by activity method.
10. To find the circumference of a circle and to find the approximate value of  $\pi$  by activity method.

Assessment criteria

Areas of Assessment	knowledge	Methodology	Diagrammatic skill	Presentation	Viva - Voce	Total
Max. Mks.	5	5	5	5	5	25

**MATHEMATICS( Class-IX)**

**List of Subject Enrichment Activities**

1. To construct a Square Root Spiral ,that depicts the square root of natural numbers  $\sqrt{1}, \sqrt{2}, \sqrt{3}$  etc..
2. To obtain the square root of any given positive real number (say 6.5) through an activity,involving paper folding and geometrical construction.
3. To interpret geometrically the factors of a quadratic expression of the type  $x^2 + b x + c$ .
4. To find out the relationship between vertically opposite angles,formed by the intersection of two lines,using method of tracing.
5. To verify the Angle Sum property of a triangle ,using the method of paper cutting and pasting.
6. To obtain the formula for the lateral surface area of a right circular cylinder through an activity.
7. To draw a graph of linear equation in two variables.
8. To verify that the diagonals of the parallelogram bisect each other,using triangle cut outs.
9. To show that the parallelograms on the same base and between the same parallel lines have the same area,using the method of paper cutting and pasting.
- 10.To verify that the angle subtended by an arc of a circle at the centre is double the angle subtended by it on the remaining part of the circle by paper cutting and pasting.

Assessment criteria

Areas of Assessment	knowledge	Methodology	Diagrammatic skill	Presentation	Viva - Voce	Total
Max. Mks.	5	5	5	5	5	25

MATHEMATICS( Classs X)

Listof Subject Enrichment Activities

1. To find the HCF of two numbers experimentally based on Euclid's Division Lemma.
2. Geometrical meaning of the zeroes of a polynomial.
3. Graphical method of solution of a pair of linear equations.
4. To find the solution of quadratic equation by completing square method.
5. To find the sum of first n natural numbers.
6. To verify Basic Proportionality Theorem.
7. To verify Pythagoras Theorem.
8. To verify lengths of tangents drawn from an external point to a circle are equal.
9. To obtain the formula of area of a circle experimentally.
10. To find curved surface area and total surface area of a cylinder.

Assessment criteria

Areas of Assessment	knowledge	Methodology	Diagrammatic skill	Presentation	Viva - Voce	Total
Max. Mks.	5	5	5	5	5	25

**KENDRIYA VIDYALAYA SANGATHAN**  
**SUGGESTED SUBJECT ENRICHMENT ACTIVITIES**  
**SESSION 2017-18**  
**CLASSES- III TO X**

<b>SUBJECT : ENGLISH</b>	<ol style="list-style-type: none"> <li>1. Poem Recitation, English Song</li> <li>2. Story Narration</li> <li>3. Radio show</li> <li>4. Just a minute speech, Prepared speech</li> <li>5. Role play, Dramatization</li> <li>6. Quiz</li> <li>7. Interview of some literary figure</li> <li>8. Group Discussion</li> <li>9. Creative Writing</li> <li>10. Spell bee (Language Games)</li> <li>11. Dictation</li> <li>12. Listening, Comprehension activity</li> <li>13. Designing of advertisement</li> <li>14. Class Magazine</li> <li>15. Show and Tell Activity</li> <li>16. Commentary</li> <li>17. Reporting of event</li> <li>Any other</li> </ol>
<b>SUBJECT: MATHEMATICS</b>	Atleast 10 activities from the Listed Lab activities and Projects as given in the prescribed publication of CBSE/NCERT may be followed.
<b>SUBJECT: SCIENCE</b>	<ol style="list-style-type: none"> <li>1. Atleast 5 Experiments/Activities from NCERT Science Textbook, NCERT Source book on Assessment for classes VI-VII, Science, NCERT Lab Manual for classes IX-X and maintenance of record file.</li> <li>2. Project (National children Science Congress/Inspire).</li> <li>3. Quiz</li> <li>4. Surveys and case studies.</li> <li>5. Science Magazine.</li> <li>6. Role Play</li> <li>7. Field Trip/ Excursions</li> <li>8. Awareness Programs <ul style="list-style-type: none"> <li>• Reproductive Health</li> <li>• Disaster Management</li> <li>• Spread of Communicable Diseases</li> </ul> </li> <li>9. Identification of Plans in School Campus and Designing of Herbal Garden.</li> </ol>

	10. Preparation of Herbarium. Any other
<b>SUBJECT: SOCIAL SCIENCE</b>	<ol style="list-style-type: none"> <li>1. Project work</li> <li>2. Map work</li> <li>3. Debate</li> <li>4. Role Playing</li> <li>5. Poster Making</li> <li>6. Survey</li> <li>7. Case-Study</li> <li>8. Tour to Historical Places</li> <li>9. Quiz</li> <li>10. Mock Parliament</li> <li>11. Collection Outdated Coins, Stamps etc. and gather information.</li> <li>12. Interview</li> <li>13. Exhibition</li> </ol> <p>Any other</p>
विषय : संस्कृत	<ol style="list-style-type: none"> <li>1. स्वः परिचय लेखनम</li> <li>2. लिदिंगम, वचनम परिचय</li> <li>3. प्रार्थना</li> <li>4. छात्र प्रतिज्ञा</li> <li>5. शब्द संग्रह</li> <li>6. वस्तुनाम परिचय</li> <li>7. श्लोक-पाठ</li> <li>8. श्लोक गायनम</li> <li>9. वाचनम</li> <li>10. प्रश्न मंच/ प्रश्नोत्तरी</li> <li>11. श्रुतलेख</li> <li>12. लय-ताल बद्ध गीत गयन्म</li> <li>13. कथा कथनम</li> <li>14. वार्तालापम</li> <li>15. नमोसम्रण क्रीडा</li> <li>16. तालीकया शब्द निमानार्म</li> <li>17. भाषण प्रतियोगिता</li> <li>18. आशु-भाषण</li> <li>19. संख्या-लेखनम</li> </ol>

	<p>20. दैनिक-व्यवहार-वाक्य संग्रह</p> <p>21. वार्ता (समाचार वाचनम)</p> <p>22. राष्ट्रीय-प्रतीकाः</p> <p>23. पत्रिका संपादनम</p> <p>24. अन्य कोई</p>
<p>विषय : हिन्दी</p>	<p>1. कविता लेखन</p> <p>2. कविता / काव्य पठान</p> <p>3. कहानी लेखन</p> <p>4. पुस्तक पठन</p> <p>5. श्रुत लेखन</p> <p>6. कक्षा अभिनय</p> <p>7. भाषण प्रतियोगिता</p> <p>8. संवाद लेखन</p> <p>9. समाचार पठन</p> <p>10. वाद-विवाद प्रतियोगिता</p> <p>11. कवि सम्मेलन</p> <p>12. जीवनी लेखन</p> <p>13. आशुभाषण</p> <p>14. प्रश्नोत्तरी प्रतियोगिता</p> <p>15. शब्दकोष से शब्द ढूँढना</p> <p>16. साक्षात्कार</p> <p>17. पुस्तक समीक्षा</p> <p>18. स्रजनत्मक लेखन</p> <p>19. परिचर्चा</p> <p>20. समूह चर्चा</p> <p>21. दृश्य वर्णन</p> <p>22. प्रसिद्ध कवियों की रचनाओं का संकलन</p> <p>अन्य कोई</p>