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Academic Planner
Detailed Planner of Computer Science

Month: April, 2019 Class: IV (23 Days)

Topic	Chapter 1: Storage & memory Devices ,Chapter-2 GuI Operating System
Concept & Skills	Cognitive skills, General Awareness, Communication skills, Inquiring

Concept & Skills	Cognitive skills, General Awareness, Communication skills, Inquiring skills, Technology skills and perception.
Lagraina Outcomes	Self awareness, enhancement in knowledge in field of IT. Capability

Learning Outcomes of using different parts of computer, Memory and Storage Devices

.

Instructional Tools & Customized text books, powerpoint presentation based on related

References

Customized text books, powerpoint presentation based on related topics, Computer Lab and Internet.

Pedagogy Practical Demonstration, Group discussion, Interactive sessions.

Activity / Assignment / Presentation of Memory and storage Devices, Lab sessions for

Research doing book activity, Book Exercise, Question/ Answers, Diagram

Class response, creative thinking and techniques used for assignments-activity, Book Exercise, Question/ Answers, Diagram.

Lab Activity Powerpoint Presentation for Memory and storage devices, Windows

Academic Planner
Detailed Planner of Computer Science

Class: IV (24 Days) Month: May, 2019

Topic	Chapter-2 Gui Operating System, Practical and Written exam Unit test -1
	Cognitive skills General Awareness Communication skills Inquiring

Concept & Skills skills, Technology skills and perception.

Self awareness, enhancement in knowledge in field of IT. Capability Learning Outcomes of differentiate different Storage Devices.

Instructional Tools & Customised text books, powerpoint presentation based on related topics, Computer Lab and Internet. References

Practical Demonstration, Group discussion, Interactive sessions. Pedagogy

Presentation of Operating System, Lab sessions for doing book Activity / Assignment / Research activity, Book Exercise, Question/ Answers

Class response, creative thinking and techniques used for assignments-activity, Book Exercise, Question/ Answers, Written Assessment

Fxam Powerpoint Presentation Gui Operating system, Practical and Lab Activity Written Exam

Academic Planner
Detailed Planner of Computer Science

	Month: July, 2019 Class: IV (19 Days)
Торіс	Chapter-3 Advanced features of tux Paint
Concept & Skills	Cognitive skills, General Awareness, Communication skills, Inquiring skills, Technology skills and perception.
Learning Outcomes	Capability of creating drawings using different tools
Instructional Tools & References	Customized text books, PowerPoint presentation based on related topics, Computer Lab and Internet.
Pedagogy	Practical Demonstration, Group discussion, Interactive sessions.
Activity / Assignment / Research	Presentation of Tux paint, Lab sessions for doing book activity, Book Exercise, Question/ Answers
Assessment	Class response, creative thinking and techniques used for assignments-activity, Book Exercise, Question/ Answers,

Lab Activity

Powerpoint Presentation on the topic ,Practical

Academic Planner

Detailed Planner of Computer Science

	Month: August, 2019 Class: IV (24Days)
Торіс	Chapter-4 Formatting in Microsoft Word 2010
Concept & Skills	Cognitive skills, General Awareness, Communication skills, Inquiring skills, Technology skills and perception.
Learning Outcomes	Capability of Doing Formatting of a document using Ms-word
Instructional Tools & References	Customised text books, powerpoint presentation based on related topics, Computer Lab and Internet.
Pedagogy	Practical Demonstration, Group discussion, Interactive sessions.
Activity / Assignment / Research	Presentation of Formatting a document , Lab sessions for doing book activity, Book Exercise, Question/ Answers
Assessment	Class response, creative thinking and techniques used for assignments-Activity, Book Exercise, Question/ Answers,

Lab Activity

Powerpoint Presentation for Ms word

Academic Planner
Detailed Planner of Computer Science

Month: September, 2019 Class: IV (22 Days)

Торіс	First Evaluation ,Chapter-6 Stepwise thinking
Concept & Skills	Cognitive skills, General Awareness, Communication skills, Inquiring skills, Technology skills and perception.
Learning Outcomes	Capability of Reasoning and Problem solving
Instructional Tools & References	Customised text books, Computer Lab
Pedagogy	Practical Demonstration, Group discussion, Interactive sessions.
Activity / Assignment / Research	Written exam
Assessment	Class response,Written Exam

Lab Activity

Encoding and Decoding

Academic Planner
Detailed Planner of Computer Science

Month: October, 2019

Assessment

Lab Activity

Class: IV (13 Days)

assignments-Activity, Book Exercise, Question/ Answers,

Activities related to the topics covered in class

Topic	Chapter -6 Stepwise Thinking, Chapter-7 More about Scratch
Concept & Skills	Cognitive skills, General Awareness, Communication skills, Inquiring skills, Technology skills and perception.
Learning Outcomes	Capability of Creating a scratch project
Instructional Tools & References	Customised text books, powerpoint presentation based on related topics, Computer Lab and Internet.
Pedagogy	Practical Demonstration, Group discussion, Interactive sessions.
Activity / Assignment / Research	Presentation of Scratch, Lab sessions for doing book activity, Book Exercise, Question/Answers
Assessment	Class response, creative thinking and techniques used for

Academic Planner
Detailed Planner of Computer Science

Month: November, 2019 Class: IV (25 Days)

Ac.

Assessment

Topic	Chapter -7 More about scratch
Concept & Skills	Cognitive skills, General Awareness, Communication skills, Inquiring

Concept a Skills	skills, Technology skills and perception.	
Learnina Outcomes	Capability of Scratch software	

	Supub.iii, o, os. a.s., so, .wa. s
Instructional Tools &	Customised text books, powerpoint presentation based on related
References	tonics Computer Lab and Internet

References	topics, Computer Lab and Internet.
Pedagogy	Practical Demonstration, Group discussion, Interactive sessions.

ctivity / Assignment /	Presentation of Scratch, Lab sessions for doing book activity, Book
Research	Exercise, Question/ Answers

Class response, creative thinking and techniques used for
assignments-Activity, Book Exercise, Question/ Answers,

Lab Activity

Activities related to the topics covered in class

Academic Planner
Detailed Planner of Computer Science

Month: December, 2019 Class: IV (19 Days)

Торіс	Practical and Written Exam
Concept & Skills	Cognitive skills, General Awareness, Communication skills, Inquiring skills, Technology skills and perception.
Learning Outcomes	Capability of Using Scratch
Instructional Tools & References	Customised text books, powerpoint presentation based on related topics, Computer Lab and Internet.
Pedagogy	Practical Demonstration, Group discussion, Interactive sessions.
Activity / Assignment / Research	Practical and Written Exam
Assessment	Practical and Written Exam
Lab Activity	Practical

Academic Planner
Detailed Planner of Computer Science

Month: January, 2020

Lab Activity

Class: IV (24 Days)

Activities from book and practical activities related to the topics w

covered in class

Topic	Chapter-8 Microsoft Powerpoint 2010,Chapter -9 The Internet
Concept & Skills	Cognitive skills, General Awareness, Communication skills, Inquiring skills, Technology skills and perception.
Learning Outcomes	Capability of Creating presentation in Ms-Power Point, using internet.
Instructional Tools & References	Customised text books, powerpoint presentation based on related topics, Computer Lab and Internet.
Pedagogy	Practical Demonstration, Group discussion, Interactive sessions.
Activity / Assignment / Research	Presentation of Ms-Powerpoint 2010 and t, Lab sessions for doing book activity, Book Exercise, Question/Answers
Assessment	Class response, creative thinking and techniques used for assignments-Activity, Book Exercise, Question/ Answers

Academic Planner
Detailed Planner of Computer Science

Month: February, 2020 Class: IV (23 Days)

Торіс	Revision for Final Evaluation ,Practical Exam
Concept & Skills	Cognitive skills, General Awareness, Communication skills, Inquiring skills, Technology skills and perception.
Learning Outcomes	Capability of using internet, and knowing its uses
Instructional Tools & References	Customised text books, powerpoint presentation based on related topics, Computer Lab and Internet.
Pedagogy	Practical Demonstration, Group discussion, Interactive sessions.
Activity / Assignment / Research	Presentation of Internet, Lab sessions for doing book activity, Book Exercise, Question/Answers
Assessment	Class response, creative thinking and techniques used for assignments-Activity, Book Exercise, Question/ Answers
Lab Activity	Activities from book and practical activities related to the topics covered in class , Practical Exam

Academic Planner
Detailed Planner of Computer Science

Month: March, 2020 Class

	Hierari Hararen, 2020 Chaoo, I y
Topic	Final Evaluation
Concept & Skills	Final Evaluation
Learning Outcomes	Final Evaluation
Instructional Tools & References	Final Evaluation
Pedagogy	Final Evaluation
Activity / Assignment / Research	Final Evaluation
Assessment	Final Evaluation
Lab Activity	Final Evaluation

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Academic Planner

Detailed Planner of Science

Month: April, 2019 Class: IV (23 Days)

Topic	L-1 The Food We Eat L-2 Materials from the Earth
Concept & Skills	Cognitive skills, General Awareness
Learning Outcomes	Self awareness, enhance their capabilities
Instructional Tools & References	Smart board, chart
Pedagogy	Explanation method, concept understanding
Activity / Assignment / Research	Assignment of chapters
Assessment	By asking question, written tests
Lab Activity	Activities of concerned topics

Academic Planner

Detailed Planner of Science

Month: May2019 Class: IV (24 Days)

Торіс	Revision for PT 1 L-3 Soil
Concept & Skills	Cognitive skills, General Awareness
Learning Outcomes	Self awareness, enhance their capabilities
Instructional Tools & References	Smart board, chart
Pedagogy	Explanation method, concept understanding
Activity / Assignment / Research	Assignment of chapters
Assessment	By asking question, written tests
Lab Activity	Activity to show different layers of soil

Academic Planner

Detailed Planner of G.Science Month: June2019 Class: IV

Topic	Summer Vacations
Concept & Skills	Cognitive skills, general awareness
Learning Outcomes	Self awareness, enhances their capabilities
Instructional Tools & References	Smart board
Pedagogy	Explanation method, concept understanding
Activity / Assignment / Research	-
Assessment	-
Lab Activity	

Academic Planner

Detailed Planner of Science

Month: July 2019 Class: IV (19 Days)

Topic	L-4 States of Matter L-5 Plants: Making and Storing Food
Concept & Skills	Cognitive skills, General Awareness, Inquiring Skills
Learning Outcomes	Self awareness, enhance their capabilities
Instructional Tools & References	Smart board, chart
Pedagogy	Explanation method, concept understanding
Activity / Assignment / Research	Assignment of chapters
Assessment	By asking question, written tests
Lab Activity	Practical of concerned topics

Academic Planner

Detailed Planner of Science

Month: August, 2019 Class: IV (24 Days)

Topic	L-6 Plants: Living and Surviving L-7 Animals: Living and Surviving
Concept & Skills	Cognitive skills, General Awareness, Inquiring Skills
Learning Outcomes	Self awareness, enhance their capabilities
Instructional Tools & References	Smart board, chart
Pedagogy	Explanation method, concept understanding
Activity / Assignment / Research	Assignment of chapters
Assessment	By asking question, written tests
Lab Activity	Practical and activities of concerned topics.

Academic Planner

Detailed Planner of Science

Month: September 2019 Class: IV (22 Days)

Topic	Revision for Fist term
Concept & Skills	Learning skills
Learning Outcomes	Self awareness, enhance their capabilities
Instructional Tools & References	Smart board, chart
Pedagogy	Recapitulation method
Activity / Assignment / Research	Assignment of chapters
Assessment	Examination
Lab Activity	

Academic Planner

Detailed Planner of Science

Month: October 2019 Class: IV (15 Days)

Торіс	L-8 Reproduction in animals L-9 How Our Body Works
Concept & Skills	Cognitive skills, General Awareness, Inquiring Skills
Learning Outcomes	Self awareness, enhance their capabilities
Instructional Tools & References	Smart board, chart
Pedagogy	Explanation method, concept understanding
Activity / Assignment / Research	Next education source kits, Assignment of chapters
Assessment	By asking question, written tests
Lab Activity	Showing life cycle of different animals and insects. Showing models of different organ systems

Academic Planner

Detailed Planner of Science

Month: November, 2019 Class: IV (25 Days)

Topic	L-10 Safety and First Aid L-11 Force, Work and Energy
Concept & Skills	Cognitive skills, General Awareness, Inquiring Skills
Learning Outcomes	Self awareness, enhance their capabilities
Instructional Tools & References	Smart board, chart
Pedagogy	Explanation method, concept understanding
Activity / Assignment / Research	Assignment of chapters
Assessment	By asking question, written tests
Lab Activity	To make a First-aid box

Academic Planner

Detailed Planner of Science

Month: December, 2019 Class: IV (19 Days)

Topic	Revision for PT 2
Concept & Skills	Learning skills
Learning Outcomes	Self awareness, enhance their capabilities
Instructional Tools & References	Smart board, teachnext modules, chart
Pedagogy	Recapitulation method
Activity / Assignment / Research	Assignment of chapters
Assessment	Examination
Lab Activity	

Academic Planner

Detailed Planner of Science

Month: January, 2020 Class: IV(21 Days)

Торіс	L-12 The Earth and its Neighbours L-13 Air, Water and Weather
Concept & Skills	Cognitive skills, General Awareness
Learning Outcomes	Self awareness, enhance their capabilities
Instructional Tools & References	Smart board, teachnext modules, chart
Pedagogy	Explanation method, concept understanding
Activity / Assignment / Research	Assignment of chapters
Assessment	By asking questions, written test
Lab Activity	Showing models of Solar System in lab Activities of concerned topics

Academic Planner

Detailed Planner of Science

Month: February, 2020 Class: IV (23 Days)

Торіс	L-14 Keeping the Earth Clean Revision for Term 2
Concept & Skills	Learning skills
Learning Outcomes	Self awareness, enhance their capabilities
Instructional Tools & References	Smart board, teachnext modules, chart
Pedagogy	Recapitulation method
Activity / Assignment / Research	Assignment of chapters
Assessment	By asking question, written tests
Lab Activity	Activities of concerned topics

Academic Planner

Detailed Planner of G.Science

Month: March 2020 Class: III (25 Days)

Topic	Revision for Final Term
Concept & Skills	Learning Skills
Learning Outcomes	Self awareness, enhances their capabilities
Instructional Tools & References	Smart board, Chart
Pedagogy	Recapitulation method
Activity / Assignment / Research	Assignment of term chapters
Assessment	By asking questions, written tests
Lab Activity	-

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Academic Planner

Detailed Planner of Hindi

Month: April, 2019 Class: IV (23 Days)

Topic	पाठ-1 प्रकृति कहती है, पाठ-2 अद्भुत बातें, पाठ-3 शेखचिल्ली का सपना, लिंग बदलो, वचन बदलो,प्रार्थना पत्र
Weightage	15%
Concept & Skills	श्रवण, लेखन व बौद्धिक कौशल
Learning Outcomes	रचनात्मक अभिव्यक्ति की क्षमता का विकास
Instructional Tools & References	पाठ्य पुस्तकं, उत्तर पुस्तिका लेखन, दैनिक जीवन के अनुभवीं से सम्बंधित उदहारण
Pedagogy	व्याख्यात्मक, वार्तालाप, परीक्षात्मक विधि ।
Activity / Assignment / Research	कक्षा कार्य, गृह कार्य
Assessment	मौखिक एव लिखित प्रश्न/उत्तरों के अभ्यास के माध्यम
Activity	कविता वाचन

Academic Planner

Detailed Planner of Hindi

Month: May, 2019 Class: IV (24 Days)

Topic	अपठित गद्यांश, पाठ-4 पुष्प की अभिलाषा(मौखिक)
Weightage	5%
Concept & Skills	श्रवण लेखन व बौद्धिक कौशल
Learning Outcomes	रचनात्मक अभिव्यक्ति की श्रमता का विकास
	पाठ्य पुस्तक उत्तर पुस्तिका लेखन, दैनिक जीवन के अनुभवों से सम्बंधित उदहारण
Pedagogy	व्याख्यात्मक, वार्तालाप व परीक्षात्मक विधि
Activity / Assignment / Research	कक्षा कार्य, गृह कार्य
Assessment	मौखिक एव लिखित प्रश्न/उत्तरों के अभ्यास के माध्यम
Activity	

Academic Planner

Detailed Planner of Hindi Month: June, 2019

ग्रीष्म अवकाश

Academic Planner

Detailed Planner of Hindi

Month: July, 2019 Class: IV (19 Days)

Topic	पाठ-5 अर्जुन सिंह, पाठ-6 पोंगल, निबंध:-विद्यालय से संबंधित, व्याकरण:- पाठ-1 भाषा,लिपि और व्याकरण
Weightage	10%
Concept & Skills	श्रवण लेखन व बौद्धिक कौशल
Learning Outcomes	रचनात्मक अभिव्यक्ति की क्षमता का विकास
Instructional Tools & References	पाठ्य पुस्तक ,उत्तर पुस्तिका लेखन, दैनिक जीवन के अनुभवों से सम्बंधित उदहारण
Pedagogy	व्याख्यात्मक, वार्तालाप, परीक्षात्मक विधि
Activity / Assignment / Research	कक्षा कार्य, गृह कार्य
Assessment	मौखिक एव लिखित प्रश्न/उत्तरों के अभ्यास के माध्यम
Activity	श्रुतलेख

Academic Planner

Detailed Planner of Hindi

Month: August, 2019 Class: IV (24 Days)
पाठ-7 बात ऐसे बनी ,पाठ-8 समय का महत्त्व,सर्वनाम शब्दों का चुनाव, पर्यायवाची शब्द, अश्द्ध-श्द्ध
20%
श्रवण लेखन व बौद्धिक कौशल
रचनात्मक अभिव्यक्ति की क्षमता का विकास
पाठ्य पुस्तक, उत्तर पुस्तिका लेखन, दैनिक जीवन के अनुभवों से सम्बंधित उदहारण
व्याख्यात्मक, वार्तालाप, परीक्षात्मक विधि
कक्षा कार्य, गृह कार्य
मौखिक एव लिखित प्रश्न/उत्तरों के अभ्यास के माध्यम
दृश्य वर्णन

Academic Planner

Detailed Planner of Hindi

Month: September, 2019

Class: IV (22

Days)

Topic	पाठ-9 डॉ. ए. पी. अब्दुल कलाम का पठन
Weightage	50%
Concept & Skills	श्रवण लेखन व बौद्धिक कौशल
Learning Outcomes	रचनात्मक अभिव्यक्ति की क्षमता का विकास
Instructional Tools & References	पाठ्य पुस्तकं, उत्तर पुस्तिका लेखन, दैनिक जीवन के अनुभवों से सम्बंधित उदहारण
Pedagogy	व्याख्यात्मक, वार्तालाप, परीक्षात्मक विधि ।
Activity / Assignment / Research	कक्षा कार्य, गृह कार्य ।
Assessment	मौखिक एव लिखित प्रश्न/उत्तरों के अभ्यास के माध्यम
Activity	

Academic Planner

Detailed Planner of Hindi

Month: October, 2019 Class: IV (15

Days

	Days)
Topic	पाठ-9 डॉ. अ. पी. जे. अब्दुल कलाम,पाठ-10 ईदगाह, पत्र, प्रार्थना पत्र, व्याकरण:- पाठ-2 वर्ण विचार
Weightage	10%
Concept & Skills	श्रवण लेखन व बौद्धिक कौशल
Learning Outcomes	रचनात्मक अभिव्यक्ति की क्षमता का विकास
	पाठ्य पुस्तक, उत्तर पुस्तिका लेखन, दैनिक जीवन के अनुभवों से सम्बंधित उदहारण
Pedagogy	व्याख्यात्मक, वार्तालाप, परीक्षात्मक विधि ।
Research	कक्षा कार्य, गृह कार्य
Assessment	मौखिक एव लिखित प्र श्न/उत्तरों के अभ्यास के माध्यम
Activity	शुद्ध शब्दों का चुनाव करें

Academic Planner

Detailed Planner of Hindi

Month: November 2019 Class: IV (25 Days)

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Topic	पाठ-11 बकरी और भेड़िया, पाठ-12 पेड़ का दर्द, निबंध:- महापुरुषों से संबंधित
Weightage	1 5%
Concept & Skills	श्रवण लेखन व बौद्धिक कौशल
	रचनात्मक अभिव्यक्ति की क्षमता का विकास
Instructional Tools & References	पाठ्य पुस्तक ,उत्तर पुस्तिका लेखन, दैनिक जीवन के अनुभवों से सम्बंधित उदहारण
Pedagogy	व्याख्यात्मक, वार्तालाप, परीक्षात्मक विधि
Research	कक्षा कार्य, गृह कार्य
A	<mark>मौखिक एव लिखित प्रश्न/</mark> उत्तरों के अभ्यास के माध्यम
Activity	किन्हीं पाँच महापुरुषों के चित्र चिपकाएँ

Academic Planner

Detailed Planner of Hindi

Month: December 2019

Class: IV (19 Days)

c	Month: December 2019 Class: IV (19 Days)
Topic	पुनरावृत्ति ।
Weightage	25%
Concept & Skills	श्रवण लेखन व बौद्धिक कौशल
	रचनात्मक अभिव्यक्ति की क्षमता का विकास
Instructional Tools & References	पाठ्य पुस्तक ,उत्तर पुस्तिका लेखन, दैनिक जीवन के अनुभवों से सम्बंधित उदहारण
Pedagogy	ट्याख्यात्मक, वार्तालाप, परीक्षात्मक विधि
Activity / Assignment / Research	कक्षा कार्य, गृह कार्य
Assessment	मौखिक एव लिखित प्रश्न/उत्तरों के अभ्यास के माध्यम
Activity	

Academic Planner

Detailed Planner of Hindi

Month: January 2020 Class: IV (21 Da

	Worth: January 2020 Class: IV (21 Days)
	पाठ-13 यात्रा जो पूरी न हो सकी ,पाठ-14 पानी और रसगुल्ले, पाठ- 15 अब्राहम लिंकन का पत्र,पाठ-16 गुरुत्वाकर्षण बल,विशेषण का चुनाव
weightage	20%
Concept & Skills	श्रवण लेखन व बौद्धिक कौशल
Learning Outcomes	रचनात्मक अभिव्यक्ति की क्षमता का विकास
Instructional Tools & References	पाठ्य पुस्तक, उत्तर पुस्तिका लेखन, दैनिक जीवन के अनुभवों से सम्बंधित उदहारण
Pedagogy	व्याख्यात्मक, वार्तालाप, परीक्षात्मक विधि
Activity / Assignment / Research	कक्षा कार्य, गृह कार्य
Assessment	मौखिक एव लिखित प्रश्न/उत्तरों के अभ्यास के माध्यम
Activity	पाठ में आए कठिन शब्दों का चुनाव करें

Academic Planner

Detailed Planner of Hindi

Month: February 2020 Class: IV (23 Days)

c c	Worth Tebruary 2020 Class. IV (20 Days)
Topic	अपठित गद्यांश,मुहावरे,अनेक शब्दों के लिए एक शब्द,विलोम शब्द
weightage	5%
Concept & Skills	श्रवण लेखन व बौद्धिक कौशल
	रचनात्मक अभिव्यक्ति की क्षमता का विकास
Instructional Tools & References	पाठ्य पुस्तक, उत्तर पुस्तिका लेखन, दैनिक जीवन के अनुभवों से सम्बंधित उदहारण
Pedagogy	व्याख्यात्मक, वार्तालाप, परीक्षात्मक विधि ।
Activity / Assignment / Research	कक्षा कार्य, गृह कार्य
Assessment	मौखिक एव लिखित प्रश्न/उत्तरों के अभ्यास के माध्यम
Activity	

Academic Planner

Detailed Planner of Hindi Month: MARCH 2020 Class: IV

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Topic	पूरा पाठयक्रम ।
weightage	100 %
Concept & Skills	श्रवण लेखन व बौद्धिक कौशल
	रचनात्मक अभिव्यक्ति की क्षमता का विकास
Instructional Tools & References	पाठ्य पुस्तक, उत्तर पुस्तिका लेखन, दैनिक जीवन के अनुभवों से सम्बंधित उदहारण
Pedagogy	ट्याख्यात्मक, वार्तालाप, परीक्षात्मक विधि
Activity / Assignment / Research	कक्षा कार्य, गृह कार्य
Assessment	मौखिक एव लिखित प्रश्न/उत्तरों के अभ्यास के माध्यम
Activity	

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Academic Planner

Detailed Planner of Mathematics

Month: April, 2019 Class: IV (23 Days)

Topic	Numbers and Numeration Addition Subtraction
Concept & Skills	7-Digit numbers up to 10 lakhs using Indian system of numeration and International Addition and subtraction of large numbers.
Learning Outcomes	Building of greatest and smallest numbers/place value/face value/arrangement of numbers Finding missing addend.
Instructional Tools & References	By using number cards to arrange again and again forming greatest and smallest number.
Pedagogy	Brain storming session for number system. Real life application for solving story sums.
Activity / Assignment / Research	With matchsticks to form roman numerals Addition by compensating number.
Assessment	By solving related assignments and worksheets Mental Maths
Lab Activity	Material required;-Bindis of two colours,White paper,pencil

Academic Planner

Detailed Planner of Mathematics

Month: May, 2019 Class: IV (24)

Topic	Addition and subtraction (round off and estimation) Multiplication Revision for PT1 exam
Concept & Skills	To estimate the given number to nearest whole number Multiplication properties
Learning Outcomes	To visualize any number to the nearest whole number. Multiplication by three digit numbers.
Instructional Tools & References	Number Line Tables
Pedagogy	By giving Practise assignments for revision
Activity / Assignment / Research	Mental Maths
Assessment	Revision and Test
Lab Activity	Form greatest and smallest number from the digits given

Academic Planner

Detailed Planner of Mathematics

Month: June, 2019	Class: IV	

Topic Concept & Skills Learning Outcomes Instructional Tools & References Pedagogy Activity / Assignment / Research Assessment

Lab Activity

SUMMER VACATIONS

Academic Planner

Detailed Planner of Mathematics

Month: July, 2019 Class: IV (19)

Topic	Division
Торіс	Multiples and Factors
Concept & Skills	Students begin to extend their knowledge of division and division Facts
Learning Outcomes	Students will learn that a whole number is a multiple of its factor. Can learn more about multiplication table
Instructional Tools & References	Prime and composite numbers.
Pedagogy	Determine Prime and composite numbers using common multiples find LCM. Division facts with examples.
Activity / Assignment / Research	Making of factor chart Worksheet based on mental maths.
Assessment	By asking multiples and factors Dozzing tables.
Lab Activity	By giving worksheets for prime numbers and composite numbers.

Academic Planner

Detailed Planner of Mathematics

Month: August, 2019 Class: IV (24)

Topic	Fraction
Concept & Skills	Keywords:-Equivalent,Numerator,Denominator,Fraction
Learning Outcomes	Will be able to create equivalent fraction
Instructional Tools & References	By having some examples of fractions like pizza etc.
Pedagogy	By explaining them about that fraction is a part of whole number.
Activity / Assignment / Research	With a single strip divide it into different fractions
Assessment	Prove that two fractions are equivalent
Lab Activity	Show different fractions on a chart paper.

Academic Planner

Detailed Planner of Mathematics

Month: September, 2019 Class: IV (22)

Topic	Decimals
Concept & Skills	Reading of a decimal number and place value chart
Learning Outcomes	Addition Subtraction of decimals and comparisons
Instructional Tools & References	Decimal place value chart
Pedagogy	The value of a digit becomes one tenth as the digit moves from left to right from one place.
Activity / Assignment / Research	On a graph paper addition of a decimal number
Assessment	Revision and test
Lab Activity	Show the given decimal on a graph paper

Academic Planner

Detailed Planner of Mathematics

Month: October, 2019 Class: IV(15)

Topic	Decimal(continue) Money
Concept & Skills	Rupees,Paise and their conversion.
Learning Outcomes	Will know about the current balance Profit and loss in any transaction.
Instructional Tools & References	With a set of classroom market some monetary transaction will be done with the help of play money.
Pedagogy	With the play money different denomination of money will be shown and explained.
Activity / Assignment / Research	Go to any supermarket with your parents Have bill of your shopping and check it.
Assessment	Making of bill for shopping done.
Lab Activity	A market set up.

Academic Planner

Detailed Planner of Mathematics

Month: November, 2019 Class: IV (25)

Topic	Measurement
Concept & Skills	What metric system is
Learning Outcomes	Identify the appropriate metric units of measurement for distances ,weight and volume
Instructional Tools & References	Taking to ground to estimate the distance in m/km
Pedagogy	By asking questions for eg:-How do we measure, How long something is
Activity / Assignment / Research	A ribbion can be asked to bring to cover their book (idea—How much it took)
Assessment	Make chart measuring different objects in class.
Lab Activity	With meter stick Ruler and bicker some practicals can be held.

Academic Planner

Detailed Planner of Mathematics

Month: December, 2019 Class: IV (19)

Topic	Measures of Time
Concept & Skills	Will come to know the concept of am/pm,hour,min,sec
Learning Outcomes	Read the time, converting the time, time in am/pm
Instructional Tools & References	Stop watch can be used to demonstrate different times.
Pedagogy	By explaining about hour hand, minute hand, sec hand
Activity / Assignment / Research	From calender answer the given questions
Assessment	By giving time in hours and making them convert it into minutes and second.
Lab Activity	Make a analogue clock using paper plates and construction paper

Academic Planner

Detailed Planner of Mathematics

Month: January, 2020 Class: IV (21)

Topic	Basic Geometrical concepts Perimeter and Area
Concept & Skills	Geometrical Facts, lines Area and Perimeter of any regular and irregular shape.
Learning Outcomes	Can view top, Front of any object and can find out its Volume. The boundary of any figure is called perimeter.
	Ruler,Protactor,Compass Square Grid paper to make any shape and count squares.
Pedagogy	With the help of objects present in class types of angles can be explained. With the help of square grid the concept will be taught and explained,
	With the help of straws make angles. Find the area and perimeter of a shape using an square grid.
Assessment	Measuring angles and lines. Formulaes for area and perimeter of an square and rectangle.
Lab Activity	Make different types of angles on a chart paper using straws.

Academic Planner

Detailed Planner of Mathematics

Month: Febuary, 2020 Class: IV(23)

Topic	Data Handling
Concept & Skills	Collect data and represent in the form of Table
Learning Outcomes	Will be able to present any information in tabular form.
Instructional Tools & References	Visualizing and Arranging any data in systematic manner.
Pedagogy	Based on class information regarding students make tally chart.
Activity / Assignment / Research	With the help of tally charts compare the units.
Assessment	Can answer the questions based on tally chart.
Lab Activity	Collect data of ages of students in your class and represent it in the form of tally chart.

Academic Planner

Detailed Planner of Mathematics

Month: March, 2020 Class: IV ()

Topic	
Concept & Skills	
Learning Outcomes	
Instructional Tools & References	
Pedagogy	Second Term Examination
Activity / Assignment / Research	
Assessment	
Lab Activity	

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Academic Planner

Detailed Planner of Punjabi

Month: April, 2019 Class: IV

Topic Weightage 15%	ਪਾਠ 1 ,ਪਾਠ 2, ਪਾਠ 3,,ਲਿੰਗ ਬਦਲੋ, ਸ਼ੁੱਧ ਕਰੋ ਪਾਠ 2 ,ਵਚਨ ਬਦਲੋ, ਵਿਰੋਧੀ ਸ਼ਬਦ , ਨਾਂਵ ਦੀ ਪਰਿਭਾਸ਼ਾ
Concept & Skills	ਪੜ੍ਹਨਾ/ਸੁਣਨਾ/ਲਿਖਣਾ/ਸੋਚਣਾ।
Learning Outcomes	ਭਾਸ਼ਾ ਦਾ ਗਿਆਨ, ਬੁੱਧੀ ਦਾ ਵਿਕਾਸ, ਕਲਾਤਮਕ ਰੁਚੀਆਂ।
Instructional Tools & References	ਪਾਠ ਪੁਸਤਕ/ਸਮਾਰਟ ਬੋਰਡ/ਕਾਪੀਆਂ/ਆਮ ਗਿਆਨ।
Pedagogy	ਪ੍ਰਸ਼ਨੇਤਰੀ/ਵਿਆਖਿਆ/ਭਾਸ਼ਨ।
Activity / Assignment / Research	ਜਮਾਤ ਵਿੱਚ ਕੀਤਾ ਕੰਮ ਘਰੋਂ ਕਰਨ/ਯਾਦ ਕਰਨ ਲਈ ਦੇਣਾ।
Assessment	ਮੈਂਖਿਕ/ਲਿਖਤੀ ਪ੍ਰੀਖਿਆ।
Lab Activity	ਮਨਪਸੰਦ ਖੇਡ ਬਾਰੇ ਰਚਨਾਤਮਕ ਲੇਖਣ

Academic Planner

Detailed Planner of Punjabi

Month: May, 2019 Class: IV

Topic	ਪਾਠ 5,ਪਾਠ 6, ਵਧਾਈ ਪੱਤਰ, ਲੇਖ।
Weightage 5%	
Concept & Skills	ਪੜ੍ਹਨਾ/ਸੁਣਨਾ/ਲਿਖਣਾ/ਸੋਚਣਾ।
Learning Outcomes	ਭਾਸ਼ਾ ਦਾ ਗਿਆਨ, ਬੁੱਧੀ ਦਾ ਵਿਕਾਸ, ਕਲਾਤਮਕ ਰੁਚੀਆਂ।
Instructional Tools & References	ਪਾਠ ਪੁਸਤਕ/ਸਮਾਰਟ ਬੋਰਡ/ਕਾਪੀਆਂ/ਆਮ ਗਿਆਨ।
Pedagogy	ਪ੍ਰਸ਼ਨੇਤਰੀ/ਵਿਆਖਿਆ/ਭਾਸ਼ਨ।
Activity / Assignment / Research	ਜਮਾਤ ਵਿੱਚ ਕੀਤਾ ਕੰਮ ਘਰੋਂ ਕਰਨ/ਯਾਦ ਕਰਨ ਲਈ ਦੇਣਾ।
Assessment	ਮੌਖਿਕ/ਲਿਖਤੀ ਪ੍ਰੀਖਿਆ।
Lab Activity	ਜਾਨਵਰਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਇਕੱਠਾ ਕਰਨਾ।

Academic Planner

Detailed Planner of Punjabi

Month: July, 2019 Class: IV

Topic Weightage 15%	ਪਾਠ 7 , ਗੁਰੂਆਂ ਦੇ ਨਾਂ, ਮੁਹਾਵਰੇ,ਬਹੁਤੇ ਸ਼ਬਦਾਂ ਦੀ ਥਾਂ ਇੱਕ ਸ਼ਬਦ।
Concept & Skills	ਪੜ੍ਹਨਾ/ਸੁਣਨਾ/ਲਿਖਣਾ/ਸੋਚਣਾ।
Learning Outcomes	ਭਾਸ਼ਾ ਦਾ ਗਿਆਨ, ਬੁੱਧੀ ਦਾ ਵਿਕਾਸ, ਕਲਾਤਮਕ ਰੁਚੀਆਂ।
Instructional Tools & References	ਪਾਠ ਪੁਸਤਕ/ਸਮਾਰਟ ਬੋਰਡ/ਕਾਪੀਆਂ/ਆਮ ਗਿਆਨ।
Pedagogy	ਪ੍ਰਸ਼ਨੇਤਰੀ/ਵਿਆਖਿਆ/ਭਾਸ਼ਨ।
Activity / Assignment / Research	ਜਮਾਤ ਵਿੱਚ ਕੀਤਾ ਕੰਮ ਘਰੋਂ ਕਰਨ/ਯਾਦ ਕਰਨ ਲਈ ਦੇਣਾ।
Assessment	ਮੈਂਖਿਕ/ਲਿਖਤੀ ਪ੍ਰੀਖਿਆ।
Lab Activity	ਰਚਨਾਤਮਕ ਲੇਖਣ

Academic Planner

Detailed Planner of Punjabi

Month: August, 2019 Class: IV

ਨਾਂਵ, ਚਿੱਤਰ ਵਰਣਨ,, ਦੁਹਰਾਈ	Topic Weightage 15%
	Weightage 15%
ਨਾ/ਲਿਖਣਾ/ਸੋਚਣਾ।	Concept & Skills
	Learning Outcomes
ਕ/ਸਮਾਰਟ ਬੋਰਡ/ਕਾਪੀਆਂ/ਆਮ ਗਿਆਨ।	Instructional Tools & References
ਵਿਆਖਿਆ/ਭਾਸ਼ਨ।	Pedagogy
<mark>, ਕੀਤਾ ਕੰਮ ਘਰੋਂ ਕਰਨ/ਯਾਦ</mark> ਕਰਨ ਲਈ ਦੇਣਾ।	Activity / Assignment / Research
ਤਤੀ ਪ੍ਰੀਖਿਆ।	Assessment
ਬਾਰੇ ਰਚਨਾਤਮਕ ਲੇਖਣ।	Lab Activity
ਵਿਆਖਿਆ/ਭਾਸ਼ਨ। ਹ ਕੀਤਾ ਕੰਮ ਘਰੋਂ ਕਰਨ/ਯਾਦ ਕਰਨ ਲਈ ਦੇਣਾ। ਕਤੀ ਪ੍ਰੀਖਿਆ।	Instructional Tools & References Pedagogy Activity / Assignment / Research Assessment

Academic Planner

Detailed Planner of Punjabi Month: September, 2019 Class: IV

Topic Weightage 50%	ਪਾਠ 9, ਅਣਡਿਠਾ ਪੈਰਾ
Concept & Skills	ਪੜ੍ਹਨਾ/ਸੁਣਨਾ/ਲਿਖਣਾ/ਸੋਚਣਾ।
Learning Outcomes	ਭਾਸ਼ਾ ਦਾ ਗਿਆਨ, ਬੁੱਧੀ ਦਾ ਵਿਕਾਸ, ਕਲਾਤਮਕ ਰੁਚੀਆਂ।
Instructional Tools & References	ਪਾਠ ਪੁਸਤਕ/ਸਮਾਰਟ ਬੋਰਡ/ਕਾਪੀਆਂ/ਆਮ ਗਿਆਨ।
Pedagogy	ਪ੍ਰਸ਼ਨੇਤਰੀ/ਵਿਆਖਿਆ/ਭਾਸ਼ਨ।
Activity / Assignment / Research	ਜਮਾਤ ਵਿੱਚ ਕੀਤਾ ਕੰਮ ਘਰੋਂ ਕਰਨ/ਯਾਦ ਕਰਨ ਲਈ ਦੇਣਾ।
Assessment	ਮੌਖਿਕ/ਲਿਖਤੀ ਪ੍ਰੀਖਿਆ।
Lab Activity	

Academic Planner

Detailed Planner of Punjabi

Month: October, 2019 class iv

Topic Weightage 10%	ਪਾਠ– 11,12,13 ,ਲਿੰਗ, ਵਚਨ, ਬਹੁਤੇ ਸ਼ਬਦਾਂ ਲਈ ਇੱਕ ਸ਼ਬਦ,
Concept & Skills	
Learning Outcomes	ਭਾਸ਼ਾ ਦਾ ਗਿਆਨ, ਬੁੱਧੀ ਦਾ ਵਿਕਾਸ, ਕਲਾਤਮਕ ਰੁਚੀਆਂ ।
Instructional Tools & References	ਪਾਠ–ਪੁਸਤਕ/ ਸਮਾਰਟ ਬੋਰਡ/ ਕਾਪੀ/ ਆਮ ਗਿਆਨ ।
Pedagogy	ਪ੍ਰਸ਼ਨੋਤਰੀ/ ਵਿਆਖਿਆ/ ਭਾਸ਼ਣ ।
Activity / Assignment / Research	ਜਮਾਤ ਚ ਕੀਤਾ ਕੰਮ ਘਰੋਂ ਕਰਨ/ ਯਾਦ ਕਰਨ ਲਈ ਦੇਣਾ ।
Assessment	ਮੌਖਿਕ/ ਲਿਖਤੀ ਪਰਿਖਿਆ ।
Lab Activity	

Academic Planner

Detailed Planner of Punjabi Month: November, 2019 Class: IV

Topic	ਵਿਆਕਰਨ, ਧੰਨਵਾਦ ਪੱਤਰ
Weightage 15%	
Concept & Skills	ਪੜ੍ਹਨਾ/ਸੁਣਨਾ/ਲਿਖਣਾ/ਸੋਚਣਾ।
Learning Outcomes	ਭਾਸ਼ਾ ਦਾ ਗਿਆਨ, ਬੁੱਧੀ ਦਾ ਵਿਕਾਸ, ਕਲਾਤਮਕ ਰੁਚੀਆਂ।
Instructional Tools & References	ਪਾਠ ਪੁਸਤਕ/ਸਮਾਰਟ ਬੋਰਡ/ਕਾਪੀਆਂ/ਆਮ ਗਿਆਨ।
Pedagogy	ਪ੍ਰਸ਼ਨੇਤਰੀ/ਵਿਆਖਿਆ/ਭਾਸ਼ਨ।
Activity / Assignment / Research	ਜਮਾਤ ਵਿੱਚ ਕੀਤਾ ਕੰਮ ਘਰੋਂ ਕਰਨ/ਯਾਦ ਕਰਨ ਲਈ ਦੇਣਾ।
Assessment	ਮੌਖਿਕ/ਲਿਖਤੀ ਪ੍ਰੀਖਿਆ।
Lab Activity	ਰਚਨਾਤਮਕ ਲੇਖਣ।

Academic Planner

Detailed Planner of Punjabi Month: December, 2019 Class: IV

Topic Weightage 25%	ਦੁਹਰਾਈ, ਪਾਠ 15,
Concept & Skills	ਪੜ੍ਹਨਾ/ਸੁਣਨਾ/ਲਿਖਣਾ/ਸੋਚਣਾ।
Learning Outcomes	ਭਾਸ਼ਾ ਦਾ ਗਿਆਨ, ਬੁੱਧੀ ਦਾ ਵਿਕਾਸ, ਕਲਾਤਮਕ ਰੁਚੀਆਂ।
Instructional Tools & References	ਪਾਠ ਪੁਸਤਕ/ਸਮਾਰਟ ਬੋਰਡ/ਕਾਪੀਆਂ/ਆਮ ਗਿਆਨ।
Pedagogy	ਪ੍ਰਸ਼ਨੇਤਰੀ/ਵਿਆਖਿਆ/ਭਾਸ਼ਨ।
Activity / Assignment / Research	ਜਮਾਤ ਵਿੱਚ ਕੀਤਾ ਕੰਮ ਘਰੋਂ ਕਰਨ/ਯਾਦ ਕਰਨ ਲਈ ਦੇਣਾ।
Assessment	ਮੈਖਿਕ/ਲਿਖਤੀ ਪ੍ਰੀਖਿਆ।
Lab Activity	ਰਚਨਾਤਮਕ ਲੇਖਣ

Academic Planner

Detailed Planner of Punjabi Month: January 2019 Class: IV

Topic Weightage 20%	ਪਾਠ, 16,17 ਲਿੰਗ ਬਦਲੋ, ਵਚਨ ਬਦਲੋ, ਸ਼ੁੱਧ ਕਰੋ, ਵਿਰੋਧੀ ਸ਼ਬਦ, ਲੇਖ।
Concept & Skills	ਪੜ੍ਹਨਾ/ਸੁਣਨਾ/ਲਿਖਣਾ/ਸੋਚਣਾ।
Learning Outcomes	ਭਾਸ਼ਾ ਦਾ ਗਿਆਨ, ਬੁੱਧੀ ਦਾ ਵਿਕਾਸ, ਕਲਾਤਮਕ ਰੁਚੀਆਂ।
Instructional Tools & References	ਪਾਠ ਪੁਸਤਕ/ਸਮਾਰਟ ਬੋਰਡ/ਕਾਪੀਆਂ/ਆਮ ਗਿਆਨ।
Pedagogy	ਪ੍ਰਸ਼ਨੇਤਰੀ/ਵਿਆਖਿਆ/ਭਾਸ਼ਨ।
Activity / Assignment / Research	ਜਮਾਤ ਵਿੱਚ ਕੀਤਾ ਕੰਮ ਘਰੋਂ ਕਰਨ/ਯਾਦ ਕਰਨ ਲਈ ਦੇਣਾ।
Assessment	ਮੌਖਿਕ/ਲਿਖਤੀ ਪ੍ਰੀਖਿਆ।
Lab Activity	ਕਹਾਣੀ ਲੇਖਣ

Academic Planner

Detailed Planner of Punjabi Month: February 2019 Class: IV

Topic Weightage 5%	ਪਾਠ 18, ਦੇਸ਼ ਭਗਤਾਂ ਦੇ ਨਾਂ , ਵਿਸ਼ੇਸ਼ਣ, ਗਿਣਤੀ 1 ਤੋਂ10,
Concept & Skills	ਪੜ੍ਹਨਾ/ਸੁਣਨਾ/ਲਿਖਣਾ/ਸੋਚਣਾ।
Learning Outcomes	ਭਾਸ਼ਾ ਦਾ ਗਿਆਨ, ਬੁੱਧੀ ਦਾ ਵਿਕਾਸ, ਕਲਾਤਮਕ ਰੁਚੀਆਂ।
Instructional Tools & References	ਪਾਠ ਪੁਸਤਕ/ਸਮਾਰਟ ਬੋਰਡ/ਕਾਪੀਆਂ/ਆਮ ਗਿਆਨ।
Pedagogy	ਪ੍ਰਸ਼ਨੋਤਰੀ/ਵਿਆਖਿਆ/ਭਾਸ਼ਨ।
Activity / Assignment / Research	ਜਮਾਤ ਵਿੱਚ ਕੀਤਾ ਕੰਮ ਘਰੋਂ ਕਰਨ/ਯਾਦ ਕਰਨ ਲਈ ਦੇਣਾ।
Assessment	ਮੈਂਖਿਕ/ਲਿਖਤੀ ਪ੍ਰੀਖਿਆ।
Lab Activity	ਕਹਾਣੀ ਲੇਖਣ।