



PM SHRI KENDRIYA VIDYALAYA ORDANCE FACTORY CHANDA

पी एम श्री केन्द्रीय विद्यालय आयुध निर्माणी चांदा



TLM / SUPPLEMENTARY MATERIALS FOR CLASS I-V





Head no.	Name of head	Sub-head no.	Name of sub-head	Approved physical quantity	Approved budget	Expenditure amount	Balance	Expenditure %
4	Tlm / supplementary materials for class i-v							
		4.15	Teaching learning material (i-v)	400	200000	135010	64990	67.51

TLM's play an important role in teaching learning of the students of primary section. Under PM Shri scheme TLM's material for developing TLM's by the teachers was purchased on 08.01.2024. The items like century papers, drawing sheets, florescent papers, origami papers, modelling clay, ice-cream sticks, wax crayons, pencil colours, chiesesl markers, fevicol, foam tape, poster colours, sketch pens were purchased costing Rs. 14940/-.

In second phase again TLM's are purchased of around Rs. 60,000/- from the Gem portal. Raw material like wood ply, cotton, fevicol, paints, plastic balls, knives, scissors, glue guns, sand colours are also purchased to make TLM's. Variety of TLM's are included for the teachers and students.

USE OF MATERIAL

The above mentioned TLM material will be issued to all primary teachers. The teachers will develop the TLM's required for their teaching on day-to-day basis. The teachers will plan chapter wise and as per the competency targeted and prepare the TLM's for each class activity. The students can be engaged in hand on activities like preparing models and projects on

chart papers using colours and markers. The florescent papers and origami papers will be used in developing art and craft skills among the students.

TLM'S AND TOYS

Many ready to use TLM's and indigenous toys were purchased for the students of primary classes like political and physical maps of India, alphabet charts, puppets of animals and birds, Dart boards, Shape sorter, Number tray, Students abacus sand clock, toy tower, Cut outs with moral messages, Tracing board of cursive letters, Hindi tracing, ABCD tracing boards, Jigsaw watch, Cut outs of fruits.

In second phase again many ready to use TLM's and toys are purchased from Gem portal. It includes wood Beige toys, wooden Gas Stove, Montessori stacker, shape sorter, water cycle puzzle, world map with continent and earth core, fraction Puzzles, Life Cycle puzzles, Human brain anatomy, Sensory Birch wooden toy, wooden egg shakers, play Dough set, Human anatomy organ puzzles, Bread pop up toaster, nob Puzzles, wooden circle shapes etc.

USE OF TLM'S AND TOYS

TLM's are very important in child centred pedagogy. It is said if the students are engaged in hands on activities, the lessons they learn are permanent. It becomes very easy to understand any complex concept if it is learned with activity based method. These TLM's and toys are used by the teachers to engage students in TLO oriented activities of each subject of primary classes. The indigenous toys will be used by the teachers to give experiential learning. Through these toys the class rooms teaching will be integrated with games and art and craft. The students are enjoying playing and learning with TLM's and toys. The teachers are regularly using these toys in the classrooms.

Holistic report cards for students



Head no.	Name of head	Sub-head no.	Name of sub-head	Approved physical quantity	Approved budget	Expenditure amount	Balance	Expenditure %
7	Holistic report cards for students							
		7.18	Holistic report card (school)	356	5345	5340	5	99.91

As per NEP 2020 holistic report cards are designed for the students of Balvatika1-3 and class I and II. Under PM Shri scheme Vidyalaya was granted Rs 15 per students for printing of holistic report card in PM shri grant. As Vidyalaya do not have Balvatika classes functioning, in the month of March 2024 total 356 Holistic report cards in multicolour are printed in the prescribed format given by CBSE.

The class teachers of class I and II had all the data collected from the students and the parents to fill all the details in the HPC regarding students. The class teachers and subject teachers completed the recording of student's details with the help of other subject teachers.

On the day of result for the session 2023-24 i.e. 27th March 2024, the students of class I and II received Holistic Progress cards. Total 245 students were given HPC in presence of their parents by the class teachers of each class. CCE report cards were also distributed to all students of class I and II.

TEACHER RESOURCE MATERIAL (TRM)



Head no.	Name of head	Sub-head no.	Name of sub-head	Approved physical quantity	Approved budget	Expenditure amount	Balance	Expenditure %
9	Teacher resource material(trm)							
		9.21	Resource material / activity hand book	43	16770	8734	8036	52.08

Teachers resource material related to Adolescence Education Program, Foundational Literacy and Numeracy, Learning Outcomes as per CBSE from Class I to X and learning outcome in Physics, Chemistry, Biology and Mathematics for class XI and XII were printed and made available to the teachers. This has not only helped the teachers to achieve the outcomes but the students are also equally benefitting by innovative teaching methods used by teachers.

List of Resource Materials:-

Learning outcome document	AEP Book for Nodal and Master Trainer
Chemistry Learning Framework	English Learning Framework
Computer science Learning Framework	Hindi Learning Framework
Maths Learning Framework	Physics Learning Framework
Joyful learning handbook	DSCS Booklet
Cyber Safety Booklet	

RASHTRIYA AAVISHKAR ABHIYAN (CLASS VI – XII)

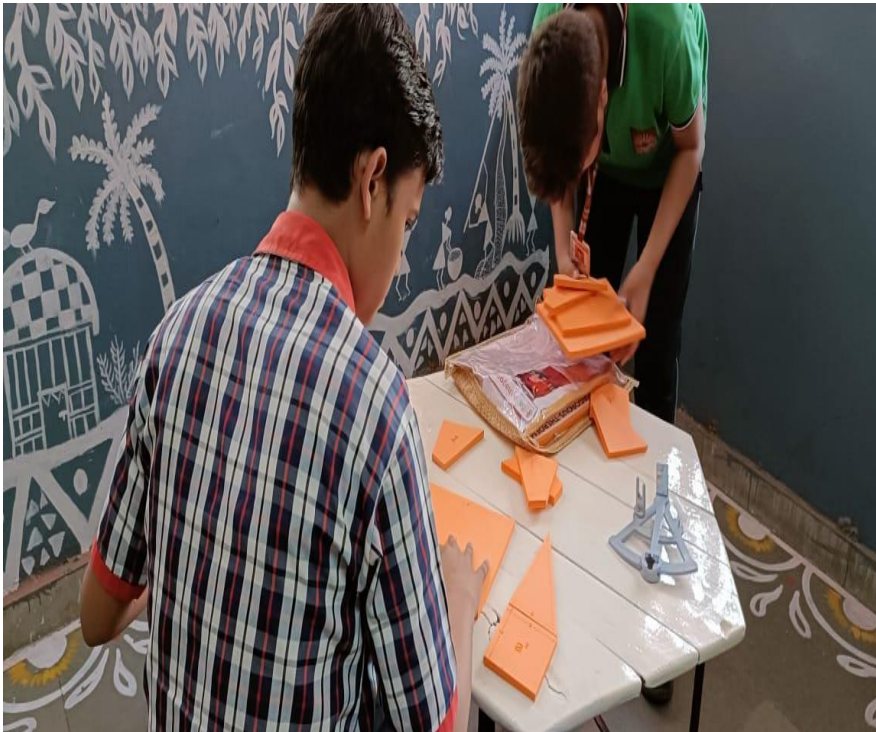
Head no.	Name of head	Sub-head no.	Name of sub-head	Approved physical quantity	Approved budget	Expenditure amount	Balance	Expenditure %
10	Rashtriya aavishkar abhiyan (class vi - xii)							
		10.23	Science kit	4	40000.00	37450	2550.00	93.63
		10.24	Maths kit	4	40000.00	38094	1906.00	95.24
		10.25	Science circles	30	150000.00	103844	46156.00	69.23
		10.26	Math circles	30	150000.00	86011	63989.00	57.34
		10.27	Exposure visit	1400	700000.00	220000	480000.00	31.43
		10.28	Mentoring by eminent experts (national)	1	5000.00		5000.00	0
		10.29	Mentoring by eminent experts (interational)	1	10000.00		10000.00	0
				Total	1095000.00			

10.23 SCIENCE KIT



4 Science kits were purchased under the pm shri scheme. It helped in developing keen interest among students. Activity based learning helped the students to develop observation skills. Making models of atoms and molecules by hand, made them understand the abstract concepts of chemistry easily. Visual observation helped in making long term memory of topics related to science. Use of kits in science can prove to be an alternative for eradicating mobile and internet addiction of students. The students can come out of the virtual world when they are engaged in creative things.

10.24 MATHS KIT



4 Maths kits were procured under PM SHRI scheme

- ☐ **Hands-on Learning:** Math kits provide tangible tools and manipulatives that allow students to engage in hands-on learning experiences.
- ☐ **Conceptual Understanding:** By using math kits, students can explore mathematical concepts in a more interactive and intuitive manner. Manipulating objects and experimenting with different scenarios fosters deeper conceptual understanding, as opposed to rote memorization or passive learning.
- ☐ **Promotion of Problem-Solving Skills:** Math kits include puzzles, games, and activities that require students to apply mathematical concepts to solve problems.
- ☐ **Differentiated Instruction:** Math kits are being used to accommodate diverse learning styles and abilities. They provide opportunities for students to learn at their own pace and level, as well as to explore mathematical concepts in ways that suit their individual preferences and strengths.
- ☐ **Increased Engagement:** The hands-on nature of math kits tends to increase student engagement and motivation. Students are more likely to actively participate in learning activities when they involve interactive elements, leading to a more positive and enjoyable learning experience.
- ☐ **Enhanced Retention:** Research suggests that active learning approaches, such as those facilitated by math kits, lead to better retention of information compared to passive learning methods. When students are actively engaged in manipulating materials and solving problems, they are more likely to remember and apply what they have learned.

10.25 SCIENCE CIRCLE ACTIVITIES UNDER PM SHRI



Under the PM SHRI scheme, the school successfully procured a range of scientific materials and equipment essential for conducting experiments and practical demonstrations. These materials include laboratory apparatus, scientific models, charts, and other educational resources aimed at enhancing the learning experience of students in science.

To inculcate scientific temperament among the budding minds, PM SHRI KV O.F. Chanda had made 30 Science Circles comprising 25 students in each circle.

The students were provided an opportunity to explore various Science activities using kits, Scientific toys, DIY Kits etc.

Impact: The implementation of the PM SHRI scheme and the subsequent activities conducted by the Science Circle have had a significant impact on the students and the school community:

- Increased interest and enthusiasm for science among students.
- Improvement in practical understanding and application of scientific concepts.
- Enhancement of scientific skills such as observation, experimentation, and critical thinking.
- Strengthening of collaboration and teamwork among students and teachers.
- Recognition of the school as a centre for scientific excellence within the community.
- Students actively participated in science exhibition (RBVP), INSPIRE MANAK AWARDS, National Children's Science Congress (NCSC), Vidyarthi Vigyan Manthan (VVM), CSIR NEERI 66th Foundation Day - Science Exhibition.
- The students also managed to bag first prizes and got selected for State and National Level Competition

10.26 MATHS CIRCLE



30 Math Circles were established at PM Shri K V of Chanda School with the objective of providing students with a platform to explore advanced mathematical concepts beyond the regular curriculum. It aims to foster a deep appreciation for mathematics and cultivate problem-solving abilities among students.

1. Geometrical figures are used to show students various types of geometric shapes their perimeter and area using ruler.
2. Using geometrical instruments like set squares concept of parallel lines, perpendicular lines, angles of measure 30° , 60° , 90° and 120° can be constructed. Using compass circles with given centre and given radius can be drawn using rounder many angles can be constructed. Using divider student can measure length of a line segment.
3. Dummy watches are used to make students especially from primary classes to understand the concept.
4. Theodolite and sextant are used in trigonometry to understand the angle of elevation and angle of depression of an object and to find Sun's altitude at a place.
5. The Kit of Parabola construction is used in drawing a parabola using affixed point called focus and a fixed line called directrix.
6. Circular and rectangular Geo-board are used to understand the concept of coordinate geometry viz. Position of a point with respect to origin, Distance between two points, and can also be used to find the coordinates of a point which divides a line segment in the given ratio.
7. Model of combination of cube and hemisphere is used to understand the concept of volume and surface area of combination.
8. Modal of hollow sphere is useful to understand the curved surface area and total surface area of hemisphere and sphere.

9. Modal of conic section is used to clear the concept that how conic -section like circle, parabola, ellipse and hyperbola can be seen on the face of a double cone by cutting it with different angle by a plane. 10. Probability kit containing marbles, playing card, numbered card is used to clear the concept of probability viz. drawing playing card from the deck etc.

11. Mensuration kit is used them to understand how volume and surface area of various types of prism and pyramid and special types of solids like cuboid, cube, right circular cylinder, right circular cone, sphere and hemisphere. It is also used to understand Archimedes principle.

12. Set theory kit is used in class eleventh to demonstrate set operations like Union of set, Intersection of sets, difference of sets, concept of sub sets, super set etc.

Impact: The Math Circle activities at PM Shri K V of Chanda School have had a profound impact on students' mathematical learning and development:

- Improved problem-solving skills and mathematical reasoning abilities.
- Enhanced confidence in tackling challenging mathematical problems.
- Increased interest and enthusiasm for mathematics as a subject of study and exploration.
- Development of critical thinking, analytical, and logical reasoning skills.
- Recognition of the school as a hub for mathematical excellence within the community.

10.27 EXPOSURE VISIT



The students of classes VI to XII had the opportunity to visit the Raman Science Centre in Nagpur under PM SHRI Scheme. This visit was organized to provide students with a hands-on learning experience in various fields of science and technology. The Centre, named after the eminent physicist Sir C.V. Raman, offers a range of exhibits and activities designed to stimulate interest in scientific exploration and discovery.

Objectives

- To expose students to practical applications of scientific concepts.
- To foster curiosity and a deeper understanding of various scientific disciplines.
- To inspire students towards careers in science and technology through interactive learning.

Participants

- The visit included students from classes VI to XII, accompanied by their science teachers and school staff. A total of 560 students participated in the visit, divided into manageable groups to ensure a focused and enriching experience for all.

CLASSES	DATE	NO OF STUDENTS
VI A, B, C, VII A, B, C	09.01.2024	202
VII A, B, C, IXC, D	11.01.2024	218
XA, B, C, D, XII	24.01.2024	140
TOTAL		560

Itinerary

- The visit was meticulously planned to ensure that students could make the most of their time at the Centre. The itinerary was as follows:

Arrival and Orientation

- Welcome by the Raman Science Centre staff.
- Briefing on the Centre's history, significance, and the day's schedule.
- Exhibition Halls

Guided tour of the various exhibition halls showcasing different scientific phenomena. Key exhibits visited included:

- The Hall of Nuclear Power, The Hall of Space Science, The Prehistoric Life Gallery.
- Interactive Science Shows
- Topics covered included electromagnetism, sound waves, and chemical reactions.
- Planetarium Visit
- A session at the planetarium where students learned about constellations, planetary movements, and the solar system.
- Special focus on recent astronomical discoveries and space missions.

Science Park

- Outdoor activities in the Science Park, where students could interact with large-scale models and exhibits.
- Exploration of principles like optics, and renewable energy through hands-on experiments.

INTRODUCTION TO VOCATIONAL EDUCATION (NON-RECURRING)

Head no.	Name of head	Sub-head no.	Name of sub-head	Approved physical quantity	Approved budget	Expenditure amount	Balance	Expenditure %
11	Introduction to vocational education (non-recurring)							
		11.30	Tools & equipment	1	300000.00	82961		
		11.32	Construction of workshop/laboratory cum classroom	1	1500000.00			
				Total	1800000.00			

11.30 Tools & equipment



Under Vocation education (NR), PM SHRI K V O F Chanda has decided to open AI, Robotics and IoT in line with the latest trend and CBSE curriculum. Following articles are procured under the head for the promotion of vocational education.

Blix kit	1
3D printer	1
Filament	18
Filament storage box	10
3D pen	5
Robotic Arm kit	5
Otto kit	1
Robotics Kit	2
Electronics kit	5
IoT kit	2
Drone	3
Mechanical set	1

11.32 Construction of workshop/laboratory cum classroom

Under Vocation education (NR), PM SHRI K V O F Chanda has been sanctioned one lab of dimension 7X 10.6 m. Estimates has been obtained from CPWD and forwarded to RO for onward transmission to KVS HQ

LIBRARY GRANT

Head no.	Name of head	Sub-head no.	Name of sub-head	Approved physical quantity	Approved budget	Expenditure amount	Balance	Expenditure %
13	Library grant							
		13.40	Sr. Secondary school (upto highest class xii)	1	20000	19918	82	99.59



13.40 report on books purchased under pm shri aid for library department
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- ☆ total amount granted under pm shri = 20000/-
- ☆ total amount used = 19918/-
- ☆ purchasing date = 06/01/2024
- ☆ total no. Of books purchased = 157
- ☆ total no. Of English books including novels and stories books = 79
- ☆ total no. Of Hindi books including novels and stories books = 68
- ☆ total no. Of Marathi books = 10

These books are useful for children to improve and enhance their vocabulary. These would be beneficial to develop reading habit among children. They will inculcate moral and cultural values among children through stories, poems, motivational stories etc.

SPORTS AND PHYSICAL EDUCATION (RECURRING)

Head no.	Name of head	Sub-head no.	Name of sub-head	Approved physical quantity	Approved budget	Expenditure amount	Balance	Expenditure %
15	Sports and physical education (recurring)							
		15.42	Sports equipment	1	50000	49998	2	100.00
		15.43	Engagement of yoga / sports teacher / coaches	1	100000	54058	45942	54.06
				Total	150000			



पी एम. श्री योजना के अंतर्गत खरिदे गए खेल साहित्य के संबंध में' अहवाल -

केन्द्रीय विद्यालय आयुध निर्माली -चांदा में पी. एम. श्री योजना के अंतर्गत प्राप्ति निर्धार से निम्नलिखित खेल साहित्य खरेदी किये गए। विशेषकर माध्यमिक एवं उच्च माध्यमिक के लिए-

- 1) कैरम बोर्ड एवं उसकी गोटीया,
- २) वालीबाल- प्रेक्टरीस
- 3) वालीबाल-वन पिस से
- 4) टेनीस बात
- 5) बैडमिंटन रैकेट

विशेषकर प्राथमिक विभाग के लिए-

- 1) चेस बोर्ड - गोटीयो के साथ
- २) लगोरी सेट (पियू)
- 3) लूडो एवं सापसिडी गोटीयों के साथ
- 4) प्लास्टिक कोन
- 5) रस्सी कूद के रस्सी
- 6) फ्लाइंग डीस्क प्लास्टिक

उपरोक्त खेल साहित्य विद्यार्थियों के शारीरिक एवं मानसिक विकास पर बल देने का एक सकारात्मक कदम है। पी. एम. श्री. योजना के अंतर्गत इसे उपलब्ध कराना बहुत अच्छा एवं खेलों को बढ़ावा देने का सफलतम उद्देश्य है। हमारा -विद्यालय एवं हम स्वयं को गौरवान्वीत महसूस कर रहे हैं कि हमें पी. एम. श्री योजना में शामिल किया गया। हम शासन द्वारा निर्धारित कि गई समस्त योजनाओं पर खरे साबित होने का अधिक एवं निरंतर प्रयास करेंगे।

PROJECT INNOVATION (RECURRING)

Head no.	Name of head	Sub-head no.	Name of sub-head	Approved physical quantity	Approved budget	Expenditure amount	Balance	Expenditure %
16	Project innovation (recurring)							
		16.44	Guidance and career counselling	1	100000	90326	9674	90.33
		16.45	Organizing health camps	1	50000	35070	14930	70.14
		16.47	21st century learning and information skills	1	50000	46738	3262	93.48
		16.48	Citizenship skills, constitutional values and knowledge of india	1	50000	38656	11344	77.312
		16.49	Financial support for vocational teachers/trainers (new / existing)	1	50000		50000	0
		16.50	Financial support for resource persons (ve)	1	15896		15896	0
		16.51	Raw material grant	1	50000	4338	45662	8.68
		16.52	Cost of providing hands-on skill training to students	1	25000	7000	18000	28
		16.53	Office expenses/contingencies	1	20000	12448	7552	62.24
				Total	410896			

16.44 GUIDANCE AND CAREER COUNSELLING



Every student's educational path must include career counselling. Career guidance is crucial in assisting students to in reaching their professional goals. A crucial aspect of NEP 2020 is its recognition of the important role of career guidance un empowering students to make informed choices about their future paths.

Keeping this view in the mind, PM SHRI Kendriya Vidyalaya O.F. Chanda has organized career guidance and counselling programme and Online Psychometric Test for classes IX to XII under Project Innovation in PM SHRI scheme. The Psychometric Test and Career Guidance and Counselling was conducted from 17/01/2024 to 19/01/2024 for students of std 9, 10, 11, and 12

Objectives:

- 1) To provide orientation and awareness about career guidance and counselling
- 2) To Introduce and administer Psychometric Assessment.
- 3) To asses Personality, Interest, Abilities by using psychometric assistant tool
- 4) To help them to understand the results of psychometric assessments.
- 5) To provide Group Counselling
- 6) To help them for selection of future career paths after interpretation of report.

Schedule for Day 1 and Day-2-17/01/2024 and 18/01/2024

- Step-1-Orientation to students about need of career guidance and counseling, psychometric assessment
- Step-2- Introduced the process of psychometric assessment
- Step-3-Providing every student with coupon code for psychometric assessment.

- Step-4- Allotted computers to conduct psychometric assessment with the help of counselor and teachers Tools Used
- LCD Projector for PowerPoint presentation on Career Guidance and Counseling and computers for online test.
- Website on which psychometric test was conducted:
- <https://www.careernaksha.com/formdetails>

Participants: Total 100 students covered on day 1 and day-2- for psychometric assessment

S.NO	CLASS	NUMBER OF STUDENTS
1	XC	31
2	XD	34
3	XI	38
4	XII	21
5	XA	33
6	XB	32
7	IXA	33
8	IXB	37
9	IXC	38

16.45 REPORT ON MEDICAL HEALTH CHECK UP



Medical health check of students is a routine activity in kendriya vidyalaya the health check-up of all students is arranged twice in a year. In session 2023-24 the health check-up of students for second term started on 01/12/2023. It was started with class i and ii. A team of doctors and nurse from ordinance factory hospital, chanda visited the vidyalaya including dr. Rajendra prasad b, MS. Amrapali Umare, MS. Vaishali Nagale, MS. Sujata Ujawane, MS. Minakshi Sagdeo, MS. Vaishali therkar, Dr. Shushmakar and MS. Sapana Galgat from 01/12/2023 to 13/12/2023

Every child was examined thoroughly including their height, weight, eye sight, teeth, symptoms of any disease etc. If any child is found with some health issues the parents were advised for the further treatments. All records of students' health were entered in students' health cards.

Till 18/12/2023 total 1170 student's out of total 1324 was completed and 154 students who were absent are yet to complete their medical check-up.

16.47 21ST CENTURY LEARNING AND INFORMATION SKILLS



Under the head of project innovation(recurring), sub head 21st century learning and information skill, Vidyalaya purchased various products related to innovation, Robotics, IoT and AI. The details of the items are as follows: -

s.no	Item	Quantity
1	Experiential learning kit	1
2	Drone garuda	1
3	3D pen	2
4	Business simplified cards	4
5	Currency symbol exchanger	5

6	Doctor in you	4
7	Money Matters	4
8	VR Glass	2

These equipment are useful for classes VI to XII to understand the robotics, IoT, and AI. Innovation will take place in all classes, learning with fun and experience. Students would get awareness on ICs, PCB, Transistors, etc. They will experience hands on training using drones and 3D Pen. Reasoning and analytical ability would increase with business simplified cards and currency symbol exchanger. VR glasses will give the better understanding of the topics with fun and joy.

16.48 CITIZENSHIP SKILLS, CONSTITUTIONAL VALUES AND KNOWLEDGE OF INDIA



Rights	Responsibilities
Children have the right to be heard	and the responsibility to show love and respect to others.
Children have the right to proper medical care.....	and the responsibility to not bully and harm others.
Children have the right to be loved and respected....	and the responsibility to listen to other people.
Children have the right to be protected from conflict and exploitation.....	and the responsibility to respect other people's thoughts and religions.
Children have the right to be educated.....	and the responsibility to take care of themselves.
Children have the right to freedom of thought and religion.....	and the responsibility to learn as much as they can and help others to learn.

PM SHRI Kendriya Vidyalaya O.F.Chanda procured maps, puzzles, games, charts and organised various activities based on **Citizenship skills, Constitutional values and knowledge of India.**

Citizenship education gives people the knowledge and skills to understand civic values and also gives opportunity to learn about fundamental rights and fundamental duties

The values expressed in the Preamble are expressed as objectives of the Constitution. These are: sovereignty, socialism, secularism, democracy, republican character of Indian State, justice, liberty, equality, fraternity, human dignity and the unity and integrity of the Nation.

To spread knowledge and awareness about Citizenship skills, Constitutional values and knowledge of India following flexi banners have printed and displayed in school campus

- 1.Preamble of India 2.Fundamental duties
- 3.Fundamental Rights 4.Rights and responsibilities

To get knowledge about India various Teaching Learning Material had been purchased by the school under PM Shri Scheme. Students were interested and enthusiastic to use this material in their teaching learning process. Students learnt about our country, Indian states and their culture, monuments, great leaders, geographical features, about agriculture industries, and parent developed positive attitude towards learning process and towards school administration due to such activities.

16.51 RAW MATERIAL GRANT

Under this head raw material like, clay, paints, brushes and papers were purchased for students to provide hands on skill training.

16.52 COST OF PROVIDING HANDS-ON SKILL TRAINING TO STUDENTS



PM SHRI Kendriya Vidyalaya O.F. Chanda has organised various activities based on **HANDS ON SKILL TRAINING** like paperwork, art and craft work, gardening, pottery, etc. in the month of December 2023 to January 2024.

1.Paperwork, Art and craft

School has invited Mr Vinod Thamke on 5th December 2023 as a expert guest. He taught students how to make paper pot and vase decoration for this activity various items were purchased like file paper sheet, glue bottles, different types of decorative beads, craft patta, drawing sheet, acrylic colours. Class 6 and 7 students completed Paper Pot and Vase Decoration using these things. School has invited Mr Ritesh Urkude for art and craft work activity and for this activity various items were purchased like woollen, paper glass, glue bottles, different types of beads, decorative less, cotton flowers. Students of class 8 completed their art and craft work using these various items

2. Gardening

Gardening activity has been undertaken under **HANDS ON SKILL TRAINING** on 6th January 2024 under the guidance of Mr Swapnil Kolhatkar in which students and teachers have participated and contributed their time to learn gardening skills and pledged to transform Vidyalaya into green school. Seeds purchased for gardening activity. Students of class 6 to 9 have participated in this activity.

3.Pottery

Pottery activities has been undertaken in which students of class 8 to 10 have participated and learn some pottery making skills. School has invited Mr Laxman Borsare on 8th January 2024 to guide students about pottery work. Clay purchased for this activity and used for pottery work.

4.Folk Art painting

A session based on Folk art painting has been organised for students on 6th January 2024 under the guidance of Mr. Ritesh Urkude in which students show their talent and learn some fine folk-art painting skills. Various items were purchased like Asian paint oil colours, brush, turpentine, etc. Students of class 9 to 11 have participated in folk art painting activity.

16.53 OFFICE EXPENSES/CONTINGENCIES

Under this head Vidyalaya procured paper reams, registers, box files and paper files for office contingencies. This will help in proper record keeping.

PROJECT INNOVATION (RECURRING) (STATE SPECIFIC)

Head no.	Name of head	Sub-head no.	Name of sub-head	Approved physical quantity	Approved budget	Expenditure amount	Balance	Expenditure %
19	Project innovation (recurring) (state specific)							
		19.1	Toy library					
		19.1.a	Toys	As per req.	250000	159949.1	90050.9	
		19.1.b	Accessories	As per req.	200000	54381.7	145618.3	
		19.1.c	Raw material	As per req.	100000	62290.58	37709.42	
		19.1.d	Expert on toy pedagogy	5	50000		50000	
		19.1.e	Expert on toy making	5	50000		50000	
		19.2	Steam module					
		19.2.a	Raw material	1	100000	95399	4601	
		19.2.b	Field visit	1	100000		100000	
		19.2.c	Printing of handbook/module for teachers	20	10000		10000	

		19.2.d	Printing of handbook/module for students	320	150000	33601	116399	
		19.2.e	Expert visit	As per req.	75000		75000	
		19.2.f	Soil testing kit	40	200000	189960	10040	
		19.2.g	Contingency	1	15000		15000	
		19.3	Education and wellness centre					
		19.3.a	Resources	1	150000	35198	114802	
		19.3.b	Child's home visit	1	20000		20000	
		19.3.c	Expert therapist visit	20 days	80000		80000	
		19.3.d	Parent education workshops	2	100000		100000	
		19.3.e	Enrichment activities	4	100000		100000	
		19.3.f	Professional development for teachers	20	100000		100000	

19.1 TOY LIBRARY

19.1A TOYS



Under PM SHRI scheme, the procurement of educational toys, including STEAM toys was done for students from classes I to XII to enhance learning through play. These toys are intended to foster creativity, critical thinking, and problem-solving skills.

Class I to II

For classes I to II, the toys include basic building blocks, simple puzzles, and introductory STEAM kits that focus on fundamental concepts such as colors, shapes, and basic arithmetic. Examples include Lego Duplo, number and alphabet puzzles, and beginner science kits.

These toys are chosen to help young children develop fine motor skills, spatial awareness, and basic cognitive skills. The simplicity and bright colors are designed to capture their attention and make learning enjoyable.

Educational Outcomes

Motor Skills: Building blocks and puzzles help improve hand-eye coordination.

Cognitive Development: Toys that involve sorting and matching foster early problem-solving skills.

Foundational STEAM Skills: Simple science kits introduce basic principles in a fun, engaging manner.

Class III to V

In this category, toys become slightly more complex. They include intermediate building sets, mechanical toys, and more advanced STEAM kits that introduce basic engineering and programming concepts. Examples are Lego Technic sets, simple robotic kits, and basic circuitry kits.

Toys for this age group are designed to build on the foundational skills developed in earlier years, introducing more complex problem-solving and logical reasoning tasks. They encourage students to start thinking about how things work and to explore basic engineering principles.

Educational Outcomes

Engineering Skills: Mechanical and building sets introduce basic engineering concepts.

Logical Reasoning: Puzzles and kits that require step-by-step assembly enhance logical thinking.

Early Programming: Simple robotic kits teach basic programming and coding skills.

Class VI to X

For students in classes VII to IX, the toys include advanced robotics kits, programming platforms, and detailed engineering sets. Examples are Arduino starter kits, Lego Mindstorms, and more sophisticated circuitry sets.

These toys are selected to deepen students' understanding of STEAM subjects, introducing them to real-world applications of science and technology. They encourage experimentation and hands-on learning, which are crucial for this age group.

Educational Outcomes

Advanced Programming: Kits like Arduino and Lego Mindstorms introduce students to programming languages and complex problem-solving.

Engineering and Design: Detailed sets foster an understanding of engineering principles and design thinking.

Critical Thinking: More complex tasks enhance analytical skills and critical thinking.

Class XI to XII

For the oldest students, the focus is on highly advanced STEAM toys and tools, such as 3D printers, advanced robotics, and professional-grade electronics kits. Examples include Raspberry Pi kits, 3D modelling software, and advanced chemistry sets.

At this stage, the aim is to provide students with tools that prepare them for higher education and careers in STEAM fields. The toys and kits are selected to offer real-world problem-solving experiences and to encourage innovative thinking.

Educational Outcomes

Innovation and Creativity: Access to 3D printers and advanced robotics kits encourages students to create and innovate.

Technical Skills: Professional-grade kits develop skills that are directly applicable to STEAM careers.

Preparation for Higher Education: The complexity of these toys and tools prepares students for further studies and challenges in STEAM disciplines.

19.1B ACCESSORIES

Under accessories we procured items that will help in the proper storage and display of toys like Almirah, Containers, Plywood, Iron Nails, Oil Paint, Fevicol etc.

19.1 c Raw Material

We procured raw materials for making soft toys, puppets, puppet theatre, origami, stitching kits etc that will increase creativity not only in students but teachers as well. Through teacher workshops toys will be developed to populate our toy library.

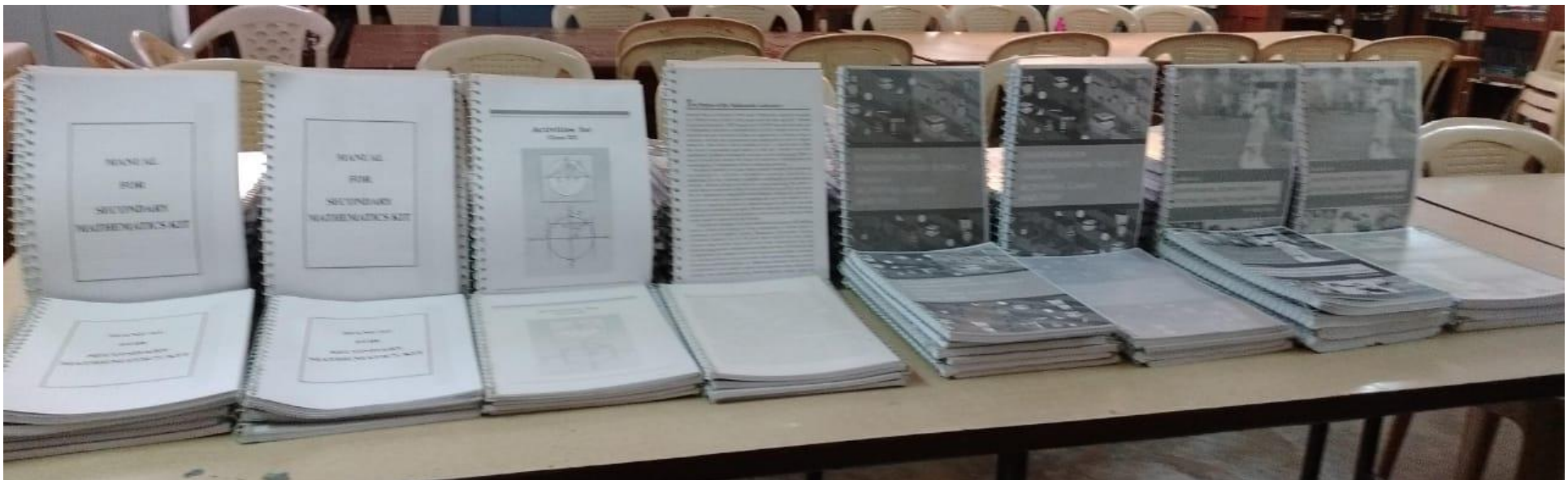
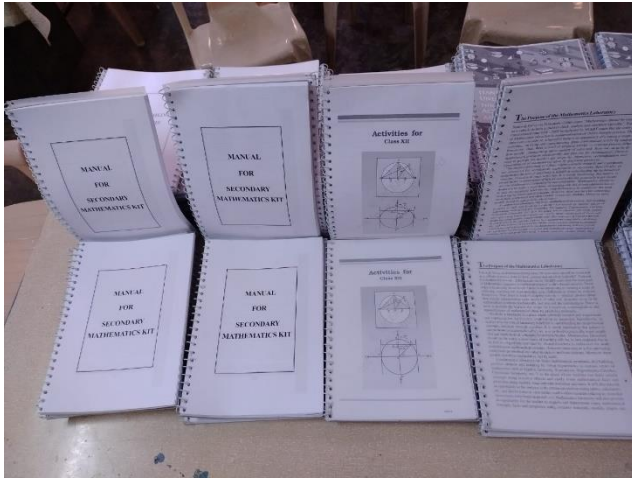
19.2A RAW MATERIAL STEAM



STEAM education is an interdisciplinary approach to learning that integrates concepts and practices from science, technology, engineering, arts, and mathematics. Unlike traditional education silos, which often separate these subjects, STEAM education emphasizes the interconnectedness between them and promotes a holistic understanding of how they relate to real-world contexts. Following raw materials were procured under PM SHRI for promoting science, engineering, technology and maths under STEAM education

Grade 10 Robotic Kit (Technology)
Light Study Kit (Science)
Robot kit with Wi-Fi Project (Technology)
DIY Electronic Project Kit (Science)
Robot Kit 101 Project (Technology)
Grade 9 Robotic Kit (Technology)
DIY Robotic Kit with AI 101 Project (Technology)
Electromagnet Study kit (Science)
Science at Home (Science)
Robotic Lab AI Wi-Fi 101 Project (Technology)
Robot Mechanical (Engineering)
Telescope (Science)
MATHS KIT JR-1

19.2D PRINTING OF HANDBOOK/MODULE FOR STUDENTS



Books and Manuals were printed under STEAM to enhance the teaching learning process. STEAM manuals related to Science, Technology, Engineering and Mathematics were made available to students and teachers, to elaborate their thinking and skills in the particular subjects.

19.2F SOIL TESTING KIT



Under the PM SHRI Scheme, 40 Soil Analysis Kits (Harvesto with Accessories Kit Pusa Soil Test And Fertilizer Recommendation Kit (Harvesto) Model | WST-314P) were purchased from GeM.

Sampling of soil from different locations was done. Soil quality, water holding capacity was determined. The students analysed the organic carbon and gypsum content using the kits.

The students enjoyed the activity and had a wonderful experience of detecting the parameters of soil quality using the kits. As the steps were easy to understand and all the contents in the kits were ready to use, it made it more interesting and easier for the students to do the analysis.

Details of the test being done using kits are

MANDATORY PERFORMANCE FEATURES / TEST	Facility to evaluate available organic carbon (N) by calculation	Yes
	Facility to evaluate available phosphorous (P)	Yes
	Facility to evaluate available boron (B)	Yes
	Facility to evaluate available sulphur (S)	Yes
	Facility to evaluate available potassium (K)	Yes
	Facility to evaluate electrical conductivity	Yes
	Facility to evaluate available zinc (Zn)	Yes
	Facility to evaluate pH	Yes
	Lime Requirement Test For Acidic Soil	Yes
	Gypsum Requirement Test For Alkaline Soil	Yes
OPTIONAL PERFORMANCE FEATURES / TEST	Facility to evaluate available iron (Fe)	yes
	Facility to evaluate available Magnesium (Mg)	no
	Facility to evaluate available manganese (Mn)	yes
	Facility to evaluate available Copper (Cu)	yes
	Facility to evaluate available Calcium(Ca)	no

19.3 EDUCATION AND WELLNESS CENTRE



Under the visionary pm shri scheme, our school pm shri k v o f chanda has embarked on a journey to prioritize the holistic well-being of our students. Recognizing the significance of physical and mental health in academic success, we have implemented various wellness activities aimed at fostering a supportive and nurturing learning environment. Among these initiatives, the integration of innovative tools such as wobble stools, stress balls, and muscle relaxant pulleys has played a pivotal role in promoting student wellness. This report aims to provide an overview of these activities and their impact on the well-being of our students.

Wellness activities:

1. Wobble stools: wobble stools have been introduced in classrooms to encourage active sitting and improve posture. These dynamic seating options allow students to engage their core muscles while maintaining balance, thus reducing discomfort associated with prolonged sitting. By incorporating wobble stools into our classrooms, we aim to enhance student focus and attention during lessons while promoting physical activity and movement.
2. Stress balls: stress balls have become an integral part of our stress management strategies. These handheld, squeezable devices provide students with a simple yet effective way to alleviate tension and anxiety. Whether it's during exam season or before a presentation, stress balls offer students a portable tool for relaxation and stress relief. By promoting the use of stress balls, we aim to empower students with coping mechanisms to navigate academic challenges with resilience and confidence.

3. Muscle relaxant pulleys: muscle relaxant pulleys have been introduced in our school's wellness center to facilitate muscle relaxation and recovery. These pulleys provide students with a therapeutic way to alleviate muscle tightness and soreness, particularly after physical activities or long periods of studying. By incorporating muscle relaxant pulleys into our wellness activities, we aim to promote physical recovery and prevent injuries, thereby supporting the overall health and well-being of our students.

Impact and benefits: the integration of wobble stools, stress balls, and muscle relaxant pulleys into our wellness activities has yielded positive outcomes for our students. Preliminary feedback and observations indicate an improvement in student engagement, focus, and overall well-being. Students have reported feeling more comfortable and relaxed in the classroom environment, leading to enhanced learning experiences. Furthermore, the availability of these wellness tools has encouraged students to proactively manage their stress levels and prioritize self-care.

Conclusion: the implementation of wellness activities under the pm shri scheme has emerged as a cornerstone of our school's commitment to student wellness. By leveraging tools such as wobble stools, stress balls, and muscle relaxant pulleys, we have created a conducive environment that promotes physical and mental health among our students. Moving forward, we remain dedicated to expanding and enhancing our wellness initiatives to ensure that every student has the opportunity to thrive academically, emotionally, and socially.

GREEN SCHOOL

Head no.	Name of head	Sub-head no.	Name of sub-head	Approved physical quantity	Approved budget	Expenditure amount	Balance	Expenditure %
21	Green school							
		21.74	Led lightening	1	2000	1867	133	93.35
		21.76	Activity promoting green school (more than 200 students)	1	10000	3020.8	6979.2	30.208
		21.77	Composting facility (like vermi-composting) for kitchen and garden waste	1	10000	7910	2090	79.1
		21.78	Vegetable /medical/kitchen gardens	1	9010	2590	6420	28.75
		21.80	Colourful sorting dustbins painted in interesting characters for waste segregation	1	10000	4375	5625	43.75
		21.84	Drip irrigation systems (i.e. Made with earther pots or plastic bottles or any other waste material)	1	20000	11737	8263	58.69
		21.87	Covering area of the school with grass or plantation of different varieties	1	50000	22793	27207	45.59
		21.88	Organize 'swachhta pakhwada' clean up drives	1	20000	19439	561	97.20
		21.89	Expert talks	1	5000	1250	3750	25.00
		21.90	Field visits	1	100000	40000	60000	40.00
				Total	236010			

21.74 LED LIGHTING



Under the pm shri 07 led light purchased under green school. 04 led light fixed in science lab. 03 chargeable led light fixed in veranda of ground floor in Kendriya Vidyalaya O F Chanda.

21.76 ACTIVITY PROMOTING GREEN SCHOOL (MORE THAN 200 STUDENTS)



PM SHRI Kendriya Vidyalaya Ordnance Factory Chanda undertakes green initiative for school. Strategically principal and the team discussed various activities, projects, and ideas through which greenery could be added to school. Following that strategy student started donating plants on their birthdays, even all the staff members donate plants to celebrate their happy moment and important days of life. Sticker to promote water saving, energy conservation, animal conservation is being pasted in the campus. Every member of KV Chanda family picked the habit to celebrate and enjoy important events of life by adding greenery to the school.

To fasten this “Go Green Drive” school has developed compost pit in which garden waste like dry leaves, twigs, flowers, pilings of salad from lunch boxes of students, left overs of fruits are used. This pit is meticulously maintained and monitored by science teachers. Drip irrigation is helping in rapid growth of trees. Vegetable garden is serving many

purposes like learning plant growing first-hand experience to students, giving its part in making school green and making fresh vegetables available to some extent.

Green initiative in school not only educate students about environmental issues but also foster a culture of conservation and responsibility on such exemplary endeavour is the recent green initiative undertaken by Kendriya Vidyalaya Ordnance Factory Chanda. As a cornerstone of green initiative, Kendriya Vidyalaya Ordnance Factory Chanda has organised regular tree plantation drive within its premises and surrounding area. This drive not only contribute in offsetting carbon emissions but also and hands biodiversity and provide a natural habitat for local flora and fauna. Students activity participate in the event learning firsthand about the importance of trees in mitigating climate change and preserving ecosystem.

21.77 CONSTRUCTION OF COMPOST PIT UNDER PM SHRI



PM SHRI Kendriya Vidyalaya O.F. Chanda has lush green premises with a variety of huge trees, shrubs and grasses. Large quantity of dried leaves and green waste was generated from the garden and other areas under green cover. In order to manage this waste, a compost pit was constructed in the school campus under the PM SHRI during 16th – 18th October 2023.

The overall dimensions of the pit are approximately 8x5x4 ft. A brick lining is constructed to make it more durable and sustainable.

The pit is being used to convert the dried leaves and waste into compost. The dried leaves were crushed and layered with a mixture of soil and cow dung. Proper mixing and turning of material were done from time to time. Almost 20 kg of compost was generated in the first round which was further used for the garden plants, Kitchen Garden and Herbal Garden. The Compost pit is helping to convert the waste and also adding fertility to the soils in a natural and eco-friendly manner. It has also provided an opportunity to the students to practically see the process of composting as studied in the curriculum.

21.78 VEGETABLE /MEDICAL/KITCHEN GARDENS



PM Shri K V of Chanda School initiated a project to develop a kitchen and medicinal garden with the active involvement of students. This project aims to educate students about sustainable agriculture practices, promote healthy eating habits, and foster a deeper understanding of the medicinal properties of various plants found at home.

Objectives:

1. Establish a sustainable kitchen garden to grow organic fruits, vegetables, and herbs.
2. Cultivate medicinal plants to create awareness about their therapeutic properties.
3. Engage students in hands-on learning experiences related to gardening, nutrition, and herbal medicine.
4. Promote environmental consciousness and self-sufficiency among students and the school community.

Activities:

1. Site Preparation: Identified an appropriate area within the school premises for the garden and prepared the soil for planting.
2. Plant Selection: Collaborated with botany experts to choose a variety of plants suitable for the local climate and soil conditions, including vegetables, fruits, culinary herbs, and medicinal plants.
3. Planting and Maintenance: Organized planting sessions where students actively participated in sowing seeds, transplanting seedlings, and maintaining the garden through watering, weeding, and pest control activities.
4. Educational Workshops: Conducted workshops and demonstrations on gardening techniques, plant care, composting, and the medicinal uses of herbs to educate students and teachers.
5. Community Engagement: The project fostered a sense of community among students, teachers, and parents who actively contributed to the garden's development and maintenance.

Conclusion: The development of the kitchen and medicinal garden at PM Shri K V of Chanda School has been a collaborative effort involving students, teachers, and community members. Through hands-on learning experiences, students have not only gained valuable skills but also developed a deeper appreciation for nature and sustainable living practices. This initiative stands as a testament to the school's commitment to holistic education and environmental conservation.

21.80 DUST BIN



Under pm shri Kendriya Vidyalaya 05 large dust bins in green and blue color were purchased under clean up drive and was kept in different place in Vidyalaya for the segregation of bio-degradable and non-biodegradable wastes. They were decorated with attractive and relevant paintings.

Waste segregation facilitates the process of reuse, recycling, and recovery of waste. Segregating waste can improve the recycling process

21.84 DRIP IRRIGATION

