

PM SHRI K V NO.1 GCF JABALPUR



QUARTERLY SCIENCE DEPARTMENT e – NEWSLETTER
Oct-Dec 2025 – 2026



MESSAGE FROM THE PRINCIPAL'S DESK



RAJNISH KUMAR SINGHAI
PRINCIPAL

***A child is like a butterfly in the wind
Some can fly higher than others;
But each one flies the best it can
Why compare one against the other
Each one is special - Each one is beautiful***

We aim at making our students capable enough to be self-directed and self-managed individuals who can confront the challenges of life without wavering. Our children are not only taught to fly high in the open sky of tremendous opportunities but also to stay attached to their roots with science. Our school has now earned a brand name for itself, which is known far and wide for its quality education and grooming of young minds.

उप प्राचार्य की कलम से



डॉ सत्येन्द्र कुमार वर्मा
उप प्राचार्य

“बच्चों को सिखाया जाना चाहिए कि कैसे सोचना है, न कि क्या सोचना है।”

यह प्रसन्नता का विषय है कि हमारा विद्यालय विज्ञान विषय की त्रैमासिक पत्रिका का दूसरा अंक प्रकाशित कर रहा है। पत्रिका विद्यालय की विभिन्न वैज्ञानिक गतिविधियों का दर्पण होती है। विद्यालय में शिक्षण कार्य के साथ- साथ छात्र - छात्राओं के सर्वांगीण विकास हेतु अनेक गतिविधियां वर्ष पर्यंत चलती रहती हैं। यह पत्रिका विज्ञान के अनुप्रयोग एवं विविध कौशलों के विकास के लिए विद्यालय में आयोजित की जाने वाली गतिविधियों का आईना साबित होगी।

मुझे विश्वास है कि हमारे विद्यार्थी आगे चलकर प्रबुद्ध, देशसेवा की भावना से ओतप्रोत एवं विविध कौशलों से परिपूर्ण सभ्य नागरिक बनेंगे एवं समाज और देश के विकास में अपना सक्रिय योगदान देकर अपने जीवन को सार्थक करेंगे।

Contents

<p style="text-align: center;"><u>Events</u></p> <p>STEM WEEK MEGA TINKERNING Inspire Manak Award Programme Buildathon 2025 National space Day</p>	<p>Teachers Orientation Programme Subject Enrichment & Building Capacity Workshop for PGT Physics Workshop for PGT Chemistry Workshop for PGT Maths Workshop for TGT Science</p>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<p style="text-align: center;">Students Achievements</p> <p>1. YASH GOUTHARIA selected in IIT 2. 5 students qualified for JEE Advance</p>	<p style="text-align: center;">Science Subject Committee</p> <ol style="list-style-type: none">1. LAKSHMI YADAV PGT CHEM -I/C2. S N PATLE PGT PHY-I/C3. SWEETY UJJWAL PGT PHY4. ANKIT GUPTA PGT CHEM5. VINOD KIMAR MISHRA PGT BIO6. SHRADHA KHARE TGT Sci7. ARCHANA CHOUHAN TGT Sci8. SONIA PARMAR TGT Sci
--------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

NEWS LETTER PUBLISHING GROUP

DESIGN AND PHOTOGRAPHY: Mrs. Ankit Gupta & Mr Vinod Kumar Mishra

EVIDENCE COLLECTION : Shradha Khare, Smt Archana Chouhan, Smt Sonia Parmar

COMPILATION: Mrs. Sweety Ujjwal,

EDITING : Mr S N Patle , Mr. L Yadav

VIDYALAYA SCIENCE COMMITTEE

CONTRIBUTIONS AND EFFORTS

Mr S.N.Patle gave valuable suggestions for the e-Newsletter during the subject committee meetings and planned excursions for senior secondary students of Vidyalaya. Sharing information related to science.



ANKIT GUPTA
SHRI ANKIT GUPTA

Mr Ankit Gupta is leading different Science Models and projects under different programmes

Collected the evidence of all events and compiled, for quarterly e-Newsletter under the guidance of Shri R.K.Singhai, Principal.

Mr. Vinod Kumar Mishra
PGT BIOLOGY



Smt. Sweety Ujjwal , PGT Phy

conducted all school-level online and offline Science competitions like the Science Olympiad, Inspire Manak Awards etc. and shared evidence for e-Newsletters.



JUNIOR SCIENCE STAFF

1. SMT SONIA PARMAR
2. SMT ARCHANA SINGH CHOUHAN
3. Smt. Shradha Khare

Trained junior staff for junior classes with innovative and experimental skilled experts .

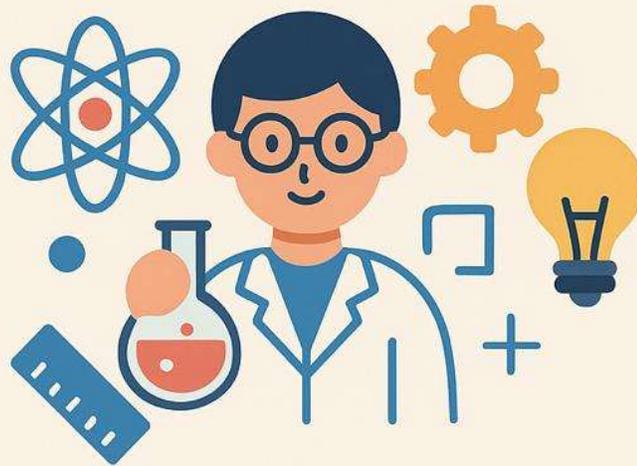
NATIONAL SPACE DAY

QUIZ COMPETITION



SCIENCE DEPARTMENT

PM SHRI KV No.1 GCF JABALPUR



STEM ACTIVITY BUILDATHON

INSPIRE MANAK
AWARD



BUILDATHON 2025



Government of India
Ministry of Education



ATAL INNOVATION MISSION



Viksit Bharat Buildathon 2025

आत्मनिर्भर भारत का आह्वान, विकसित भारत का निर्माण





Acknowledgement



I thank Principal sir for his guidance in preparing the quarterly Science e-Newsletter.

THANKFUL TO ALMIGHTY GOD ,MY PARENTS AND

I am thankful to the students, Staff members of Vidyalaya and Parents,

Thankful to all committee members of the science deptt for their motivation and cooperation.

 123-456-7890

 hello@reallygreatsite.com

PM SHRIKENDIRYA VIDYALAYA NO 1 GCF JABALPUR

STEM WEEK CELEBRATION : 16 July 2025

SOIL HEALTH CARD

To create awareness among the students about soil health in connection with the human health, many activities conducted in the Vidyalaya. Many soil samples from the Vidyalaya Garden were collected to analyze its physical, biological and chemical properties.



Type of plants in Vidyalaya Kitchen Garden was studied along with the gardeners. The students were allowed to take a look of activities. Soil samples were analyzed in the laboratory for humus content, clay percentage, sand particle size and percentage (Soil profiling). Soil pH was tested with the help of universal pH indicator in the laboratory. The students were introduced with the benefits of neutral and basic soil in agriculture.



Vermicomposting process was displayed with proven basic nature used to treat acidic soil.



Basic quiz competition was conducted for the senior and junior sections students in the classroom and during morning assembly. Open discussion was organized in selected classes only because of rain barrier in the assembly ground.



Quiz was focused on biological treatment of acidic soil with the help of organic matter and quick lime. It will develop insight in student about the modern agriculture practives.

Conducted By :

Sh. V K Mishra I/C

Mrs. Shradha Khare

Mr. Amar Swami

प्राचार्य / PRINCIPAL
पीएम श्री केन्द्रीय विद्यालय क्र.1, जी.सी.एफ जबलपुर
PM SHRI Kendriya Vidyalaya No. 1, G.C.F. Jabalpur
जबलपुर / JABALPUR (M.P.) - 482011

Report on STEM Activities_SIC – 14 July 2025

Venue: PM SHRI KV No.1 GCF Jabalpur

Theme: Science, Technology, Engineering & Mathematics (STEM) Week

As part of the ongoing STEM Week celebrations, the school conducted several engaging activities today to promote scientific temper and 21st-century skills among students:

1. Morning Assembly Highlight:

Arushi Bharadwaj of Class XII-B addressed the morning assembly and gave an insightful presentation on the School Innovation Council (SIC). She discussed the vision, objectives, and initiatives under SIC, encouraging students to think innovatively and participate actively in scientific endeavours.



2. Hands-on Activities:

Throughout the day, teachers from all subjects integrated hands-on STEM activities into classroom sessions. Emphasis was laid on the use of Artificial Intelligence and Robotics tools to enhance understanding and make classroom transactions more interactive and application-based.



3. House-wise STEM Quiz Competition:

An inter-house STEM Quiz was conducted, where students from Classes IX to XII participated enthusiastically. Each house nominated one student per class, and the quiz tested their knowledge across all four domains—Science, Technology, Engineering, and Mathematics. The event fostered healthy competition and collaborative learning.



These activities aimed at nurturing critical thinking, creativity, and scientific curiosity among students, aligning with the goals of the NEP 2020 and fostering an innovation-driven school culture.

Conducted By :

Sh. Ankit K Gupta I/c

Ms. Mala Shrivastava

Sh. Vaibhav Jain

Mrs. Sonia Parmar

प्राचार्य / PRINCIPAL
पीएम श्री केन्द्रीय विद्यालय क्र.1, जी.सी.एफ जबलपुर
PM SHRI Kendriya Vidyalaya No. 1, G.C.F. Jabalpur
जबलपुर / JABALPUR (M.P.) - 482011

Report on STEM Activities - 15 July 2025

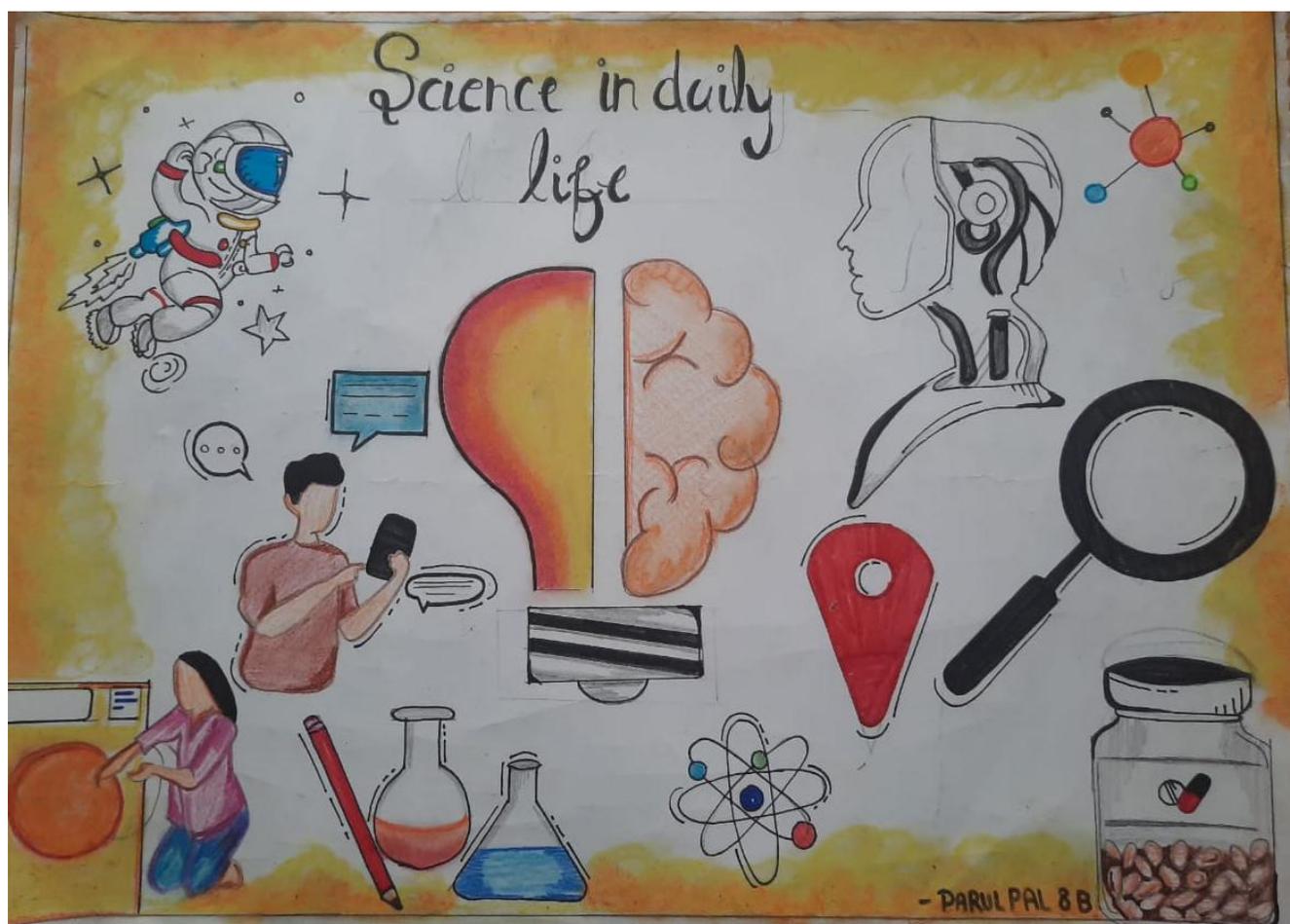
Theme- INSPIRE Manak Award & VVM

Venue: PM SHRI KV No.1 GCF Jabalpur

As a part of the ongoing STEM Week celebrations, a series of enriching activities were conducted today to ignite scientific thinking and innovation among students:

1. Idea Pitching Sessions (INSPIRE-style):

Students from Classes VI to XII participated in Idea Pitching Sessions, inspired by the INSPIRE model. They presented creative solutions to real-life problems, showcasing their innovation and critical thinking. Ideas ranged from eco-friendly energy solutions to tech-based tools for daily use.



2. Hands-on Experiments:

At the Middle and Secondary stages, students engaged in hands-on experiments designed to reinforce classroom concepts. Activities included making simple circuits, testing water purity, and demonstrating principles of physics and chemistry with low-cost materials.



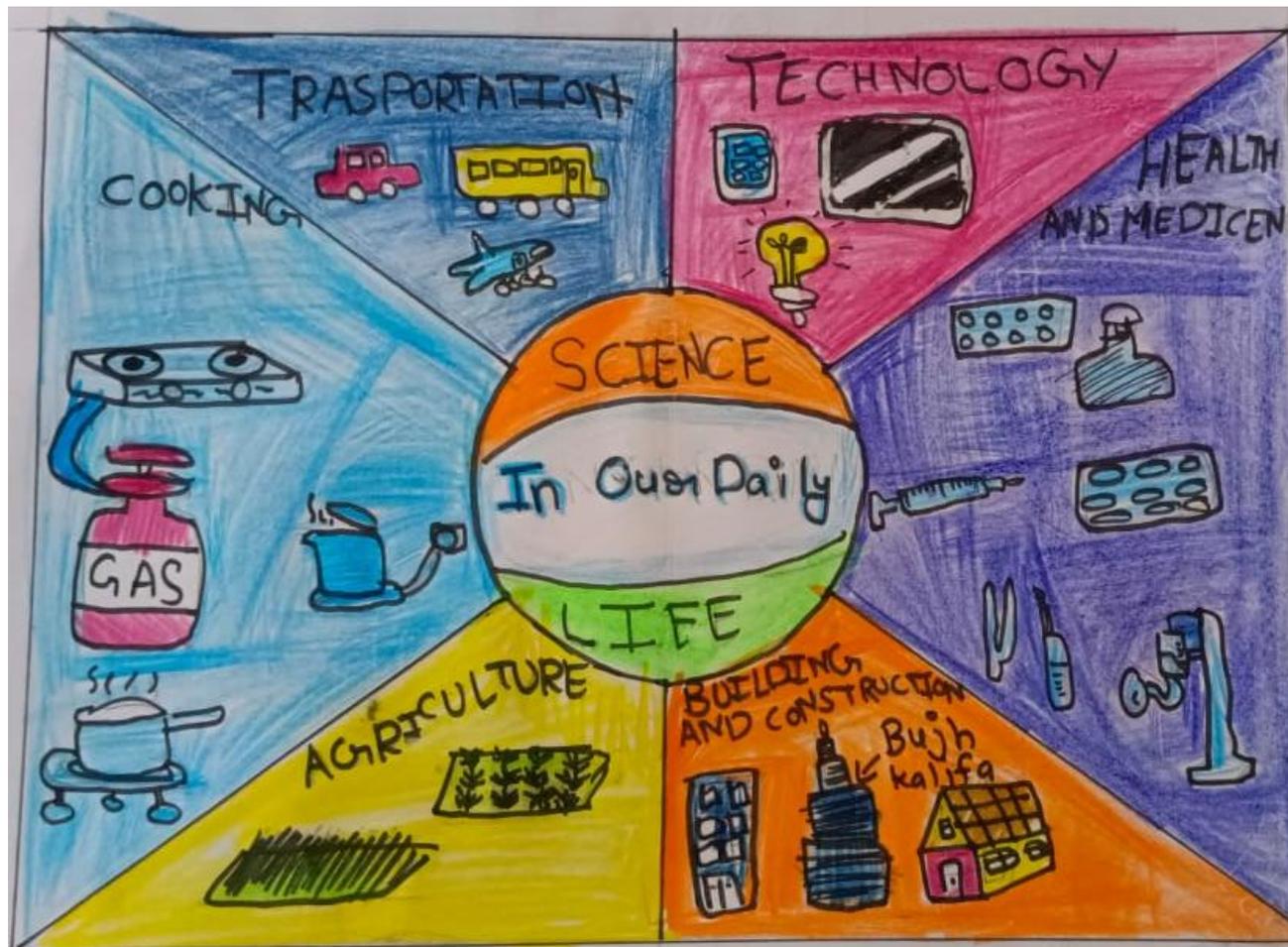
3. Poster/Chart Making on “Science in Our Daily Life”:

Students creatively expressed how science plays a vital role in our everyday lives through colorful posters and informative charts. The display highlighted topics such as kitchen chemistry, mobile technology, and household physics.



4. “My STEM Dream” Wall:

A dedicated wall titled “My STEM Dream” was set up where students wrote or drew their aspirations in the fields of Science, Technology, Engineering, and Mathematics. It served as a platform for students to envision and share their future goals in STEM.



These activities collectively aimed to foster inquiry, creativity, and a love for science among learners, supporting the spirit of the National Education Policy (NEP) 2020 and the School Innovation Council (SIC) vision.

Conducted By :

Sh. S N Patle*I/c

Mrs. Dipti Bharadwaj

Mrs. Archana S Chouhan

प्राचार्य / PRINCIPAL
पीएम श्री केन्द्रीय विद्यालय क्र.1, जी.सी.एफ. जबलपुर
PM SHRI Kendriya Vidyalaya No. 1, G.C.F. Jabalpur
जबलपुर / JABALPUR (M.P.) - 482011



PM SHRI EXPOSURE VISIT

