JOURNEY OF NATIONAL ICT AWARDEE TEACHER (National ICT Award-2010)

Supriy Bahukhandi Lecturer Mathematics Government Inter College, Pajitilani, Kalsi Dehradun Uttarakhand



supriyabah@gmail.com

EDUCATION

Schooling

- St Thomas School (1986)
 Dehradun
- DAV Inter College (1988)
 Dehradun
- DAV(PG) College DehraDun
- B.Sc (PCM) (1991)
- M.Sc (Mathematics) (1994)
- B.Ed (1996)



St Thomas School Dehra Dun



DAV Inter College DehraDun



DAV(PG) College DehraDun

Teaching Timeline

1995 - 1998 TGT Maths/Science

SGRR Public School, Dehra Dun (CBSE)

1998 - 2001 LT (TGT) Maths/Science Govt. High School, Bulhar (State Board) Chakrata Dehra Dun

2001 - 2016 LT (TGT) Maths/Science

Govt. Inter College, Dakpather (State Board) Dehra Dun

2016 – Till Date Lecturer Mathematics Govt. Inter College, Pajitilani (State Board) Kalsi-Dehra Dun



SGRR Public School, Dehra Dun



Govt. H/School,Bulhar, Chakrata D. Dun



Govt. Inter College, Dakpather D. Dun



Govt. Inter College, Pajitilani, Kalsi- D. Dun

Introduction of IT in GIC Dakpather School Strength 1200

- IT Literacy introduced in 2002 with 5 Computers which increased to 13 computers in 2005
- Computers Literacy Program
 Two Master Trainers (MT) were trained
 MT trained further trained 10 teachers at their school.

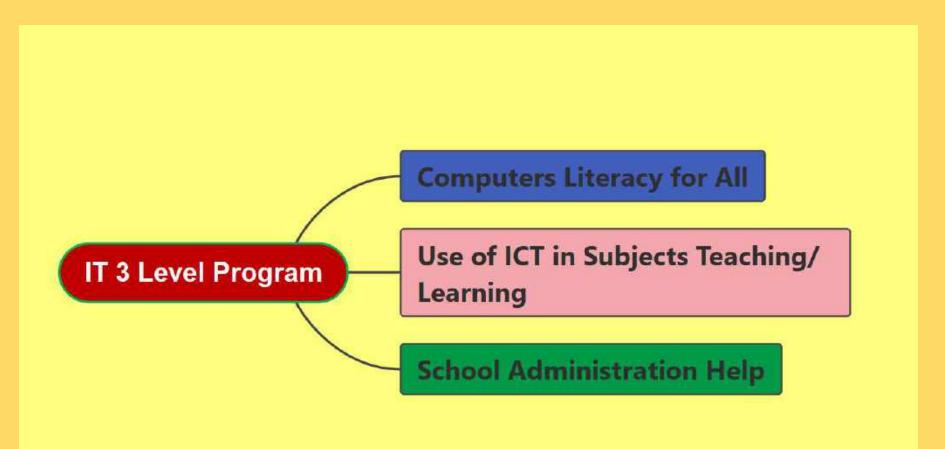
Computer Training

Teach to Future: Intel Teach to the Future: Basic course (12 days)
 Project Shiksha: Microsoft Advance Accelerator course (15 Days)

Srief Syllabus

 Introduction to computers, Note pad, paint, MS Word, MS PowerPoint, MS Excel, MS Access, Internet use

Introduction of IT at the School Level



Application and Tools

- Question Paper and Documentation
- Mark Sheet and students record
- Lesson Plan and Presentation
- Student and Staff Database
- School Website
- School Magazine
- Information Source
- Geometric shapes and Logical Thinking

- Word
- Excel
- PowerPoint
- Access
- Frontpage
- Publisher
- Internet
- Logo

IT in Classroom Practice

Digital lesson on Difficult Topics Educational CDs

- Nuclear fusion
- Light (Mirrors)
- Petrol Engine
- Human eye
- Nuclear fission
- Kinetic
 Molecular Theory
- Light

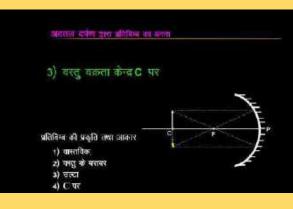
- Wave Motion
- Matter
- Work Power Energy
- Microscope
- Set Theory
- Telescope
- Menstruation
- Construction



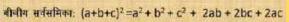
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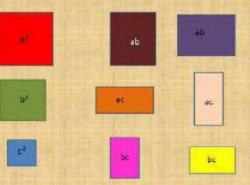
वस्तुओं के उस समूह अथवा संग्रह को समुच्वय कहते हैं जिसमें समिमलित प्रत्येक वस्तु किशी जुम विशेष को संतुष्ट करती हो तथा जिसके आधार पर स्पष्ट रूप से यह बताया जा सके कि वस्तु उस संग्रह में समिमलित हैं अथवा नहीं।

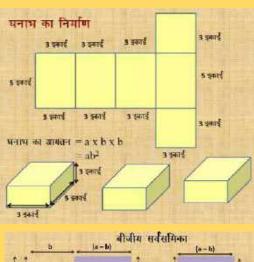


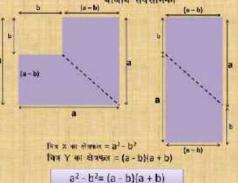


Teacher Sample

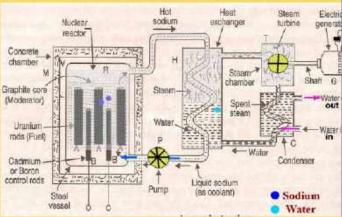


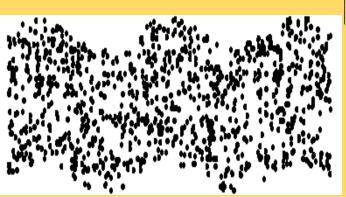




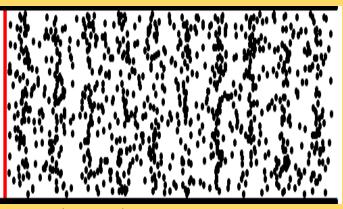


Nuclear Reactor





अनुप्रस्थ तरंग (Transverse Wave)



अनुदैध्य तरंगे (Longitudinal Waves)

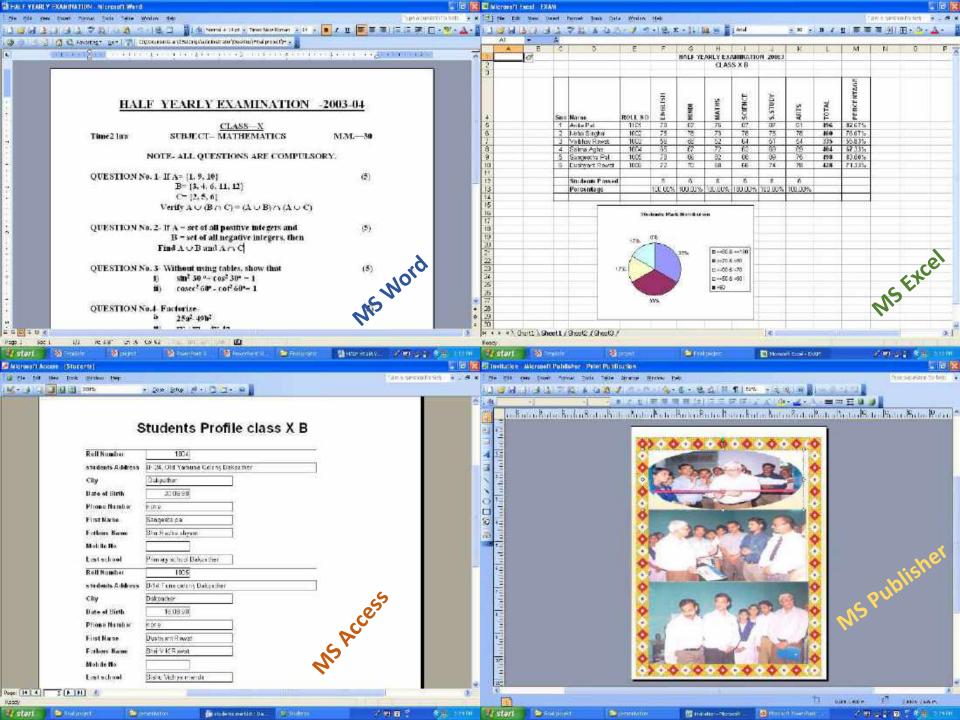
Students Sample



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School website

MS Frontpage





Developed by students





Learning Chain was developed in peer learning and sharing





Learning Chain was developed in peer learning and sharing



Introduction of Project based Learning

- Projects assigned on various topics
- ✓ Research and analysis
- Creation of power point presentation
- ✓ Sharing with peer
- Recognitions of best projects



Observation

- > Better understanding of the concept
- Create Interest in students
- > Desire to develop e-content
- Development of exploratory learning, enhancing the ability of research, analysis and presentation.
- > Team spirit and peer sharing.
- Movement from passive learning to participative learning.
- > Reduced Absenteeism.
- > Improved self-esteem/ feeling of pride.

Computer Literacy for All

- 2 teachers per school trained by MT under Intel and Microsoft Initiative project
- Trained 10 teachers in the "Intel teach to future" Training Program By MT
- Trained 21 teachers in the "Microsoft Project Shiksha Cascade" Training Program By Master Trainers (MT)
- Zero period was generated
- Groups and subgroups are formed in classes
- Ex-students and graduates girls from weaker sections of society in basic computer skills.
- Special summer and winter camps were organized.
- > Learning Chain was developed in peer learning and sharing.
- > Nearby high schools were adopted for computer literacy programs.









हमारी कक्षों का नया स्वरूप

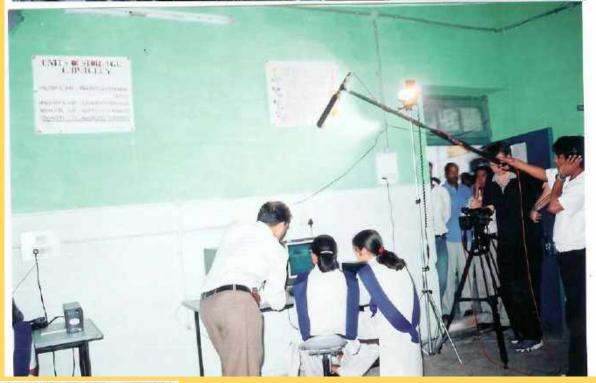


IAS Probationers Team Visit Studying Project "Aarohi" Computer Literacy for All



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Microsoft Documentary shoot by the Singapore team





Social Projects

Generate awareness among people to use Bio – Fertilizer, and Pesticide



Generate awareness among students to use Bio - Fertilizer and Pesticide





Generate awareness among students to use Bio - Fertilizer and Pesticide



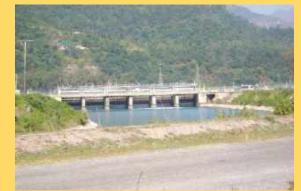


Energy Conservation





















Blended Learning Finds a True Believer

Supriya Bahukhandi

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(intel) Education When Technology Transforms Teaching

Coffee Table Book: 2014

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Recognition & Assertion

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Recognition

✓ State Level 2nd Computer Literacy Award 2003 School Level)

- ✓ Technology Award 2003 State winner (School Level)
- ✓ Technology Award 2004 Regional winner (School Level)
- ✓ Pankaj Kumar & Yogesh Kumar -Technology Award 2005
 District winner (Student Category)
- ✓ Technology Award 2003 State winner (Teacher category)
- ✓ Innovative Teachers Leadership Award 2004 (Asia Pacific) (Represented India in Singapore)
- ✓ World Wide Innovative Teachers Form 2005 (Represented India at Redmond USA)

2nd Computer Literacy Award 2003 (State Level-School Level)

st, 2004, Vigyan Bhawan - New Deini



Principal Receiving Trophy on behalf of GIC Dakpather Dehradun



Smi. Julika Pandey Joint Director

दूरपण : 7 Tele : 24301750 अ.स. पत्र सं. . 1 D.O. No. 19(4):2004-E-Infra मारव सरकार GOVERNMENT OF INDIA संचार और सुचना ग्रीगोगिकी मंत्राख्य MINISTRY OF COMMUNICATIONS AND INFORMATION TECHNOLOGY सूचना ग्रीयोगिकी विभाग DEPARTMENT OF INFORMATION TECHNOLOGY इलेक्ट्रानियस निफेसन ELECTRONICS NIKETAN 6, सी.जी. कॉम्प्लोक्स /6, C.G.O. COMPLEX नई दिल्ली / New Data-110003 जिनक / Dated, 13.02.2004

Subject: 2nd Computer Literacy Excellence Awards for Schools - 2003.

Sir/Madam

I am happy to inform you that your school has been selected for the State level 2nd Computer Literacy Excellence Award - 2003.

2. The cash award of Rs.1.50 lakh together with a trophy will be handed over to the representative of the school by the Hon'ble President of India at an award distribution function scheduled to be held on 9th March 2004 at Vigyan Bhavan, New Delhi from 11.45 AM onwards. The winners of the National level Awards will be announced at the function.

3. I take this opportunity to invite you (or your authorized representative) to attend the award distribution function and personally collect the award. It may be noted that no TA/DA, boarding or lodging will be admissible from the government in this respect and that the school has to make all arrangements for deputing its representative to Delhi for collecting the award. You are further requested to ensure that you arrive in Delhi by 7th March 2004 and that you inform your arrival to the undersigned at telephone no. 24301750, latest by the afternoon of 7.3.2004. A full dress rehearsal for the function will be held on 8.3.2004 at Vigyan Bhavan, which you will be compulsorily required to attend.

4. As the Honble President of India is the Chief Guest for the function, the security arrangements require that the name of the representative attending the function be infinited well in advance to this Office. You are therefore requested to forward the details of the authorized representative collecting the award so that the serialized non-transferable invitation card for attending the function can be issued well in advance. Due to security reasons no changes will be accepted at the last moment.

5. The above mentioned details/information may kindly be forwarded to the undersigned latest by 20.2.2004 You may send the inputs by fax at 011-24363099 or through email at tulika/emit.gov in.

It is once again reiterated that as per the security requirements nobody will be permitted to enter the hall without the invitation card.

Yours sincerely.

(Tulika Pandey

The Principal Govt. Intermediate College Dakpather Debra Dun (Utranchal.)

The Uttaranchal Government Technology Award 2003





Principal Receiving Trophy on behalf of GIC Dakpather Dehradun

Innovative Teachers leadership Award 2004 (Asia Pacific) Singapore

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EXIT

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Vincen^t

Award ceremony in New Delhi on 04.12. 2004 at Hotel Taj Mansingh

Mr. Supriy Bahukhandi receiving the award from Mr. Sudev Muthya, Director - Enterprise & Partner Group - Microsoft India

Poster presentation at Nanyang Executi Centre, Singapore

1.4

23

Innovative Teachers' Conference

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am in Conference Hall with Mr. uah, Regional Academic program ager, Asia Pacific, Microsoft

World Wide Innovative Teachers Form 2005, Redmond (USA)



project Shikshi

Our Teacher in Redmond

Supriya Bahukhandi, one of the teachers who won last year's lonovative Teachers Leadership Award, went to Redmond, USA, to attend the World Wide Forum from 18 to 20 July. Here is what he had to say after the visit.

"I had the opportunity to participate in the Microsoft Worldwide Innovative Teachers Forum held at Redmond, USA. It was a rich experience as linteracted with teachers from other parts of the world and gained from their experience in the teaching and learning process. For instance, Anders Ofverstorm from Sweden informed us that the teacher-student ratio in his country is 1.1. Cameron Mateika from Canada shared with us how he was using IT in Cropcam, a

revolutionary mini-plane used for agricultural, which has changed the way crops and fields are managed using GPSbased digital images for precision agriculture. Its power crop analysis tool provides information on how to manage crops and save money by only spraying where it is needed.

"After my presentation, John Klesner from Denmark and another teacher from Singapore came to me and appreciated the digital lesson I had prepared for my students. They also asked me about the animation effects I had used to explain the con-

cepts. I learned that many countries are using practi-

Sparsh

Supriya Bahukhandi won last year's Innovative Teachers Leadership Award. His experiences at the World Wide Forum held in Redmond, USA, in his own words



Supriya at Redmond



National ICT Award 2010



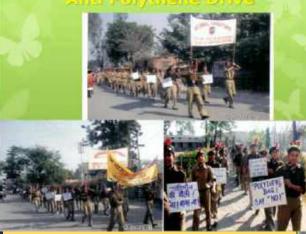




















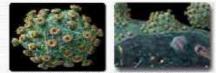








एथ0 आई0 यी0 HIV की संरचना



वायरल के रावसे बाहर लावुपोपीटीन का जावरण खेला है जिस पर प्राइतने प्रोटीन के स्वाइता होते हैं।

बाहरी आवरण के जन्दर RNA जीनीम होता है इस लिये इस वायरस की सिटको वायरल कहते हैं। दावरल में Reverse Transcriptuse एनजाइम होता है।

BAIN MENT

HIV तथा कोशिकाओं का संयुग्मन (HIV Binds with Cell)

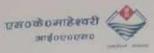


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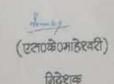
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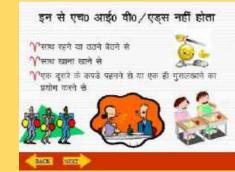
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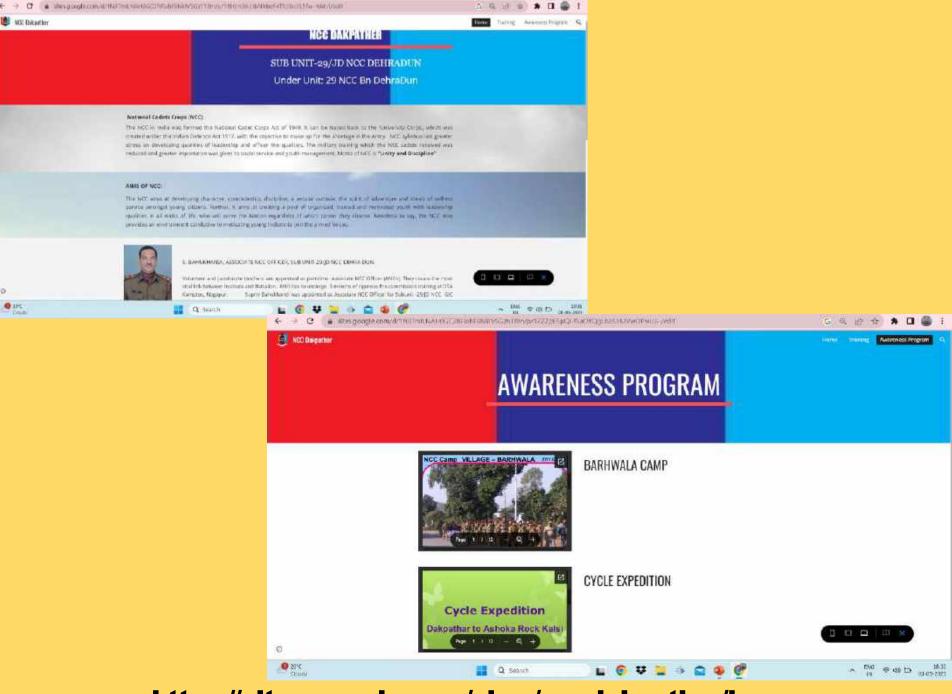
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https://sites.google.com/view/nccdakpather/home



05 September 2014 PM Interaction with students On Teacher's Day



देविक जागरण National Service sch



खर्यसंबिधों ने चलाया मंतदाता जागरूकता अभियान S Bahukhandi NS3 Program offier

National Service scheme GIC Pajitilani Dehra Dun

NSS Program Officer

S Bahulibandi Leot (Maths) was Program Officier of sub unit Gio Pojitilian in year 2018 under whom NSS Special Camp was conducted. He plays the role of arganizer, educator coordinator, supervisor, administration and public relation officer to improve the guality and magnitude of NSS programme. The programme officer is expected to motivete student youth to understand the values and philosophy of NSS. The function of PO is to help students to play. Implement and evaluate the activities of NSS under charge and give proper guidance and direction to the student volunteer.



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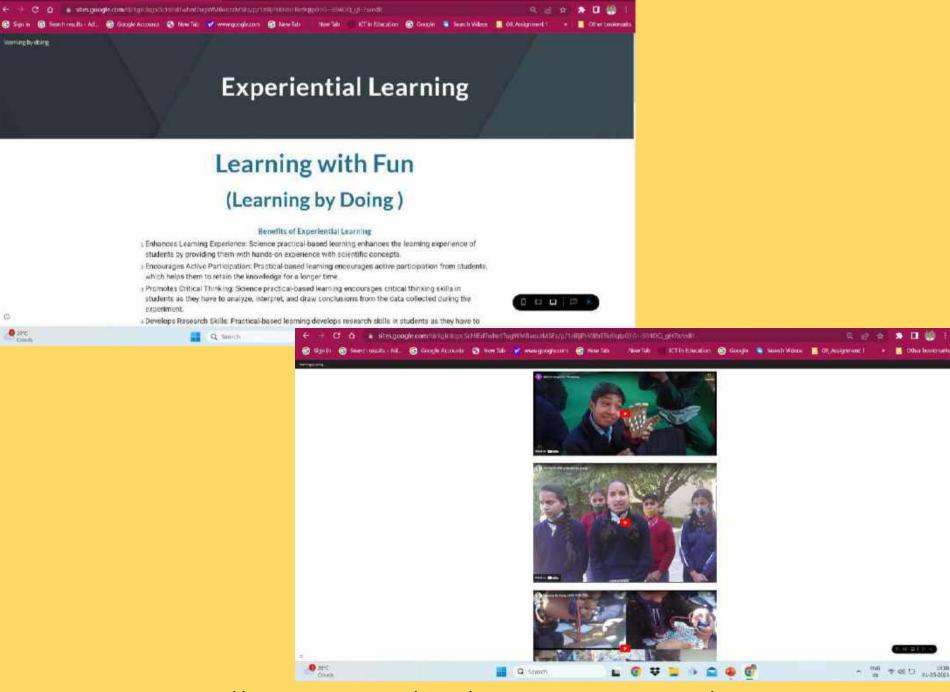






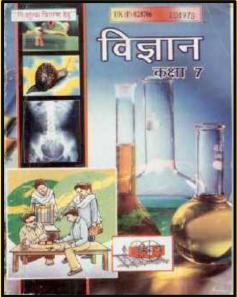
Benefits of Experiential Learning

- Enhances Learning Experience: Science practical-based learning; hands-on experience with scientific concepts.
- Encourages Active Participation: Active participation from students, helps them to retain the knowledge for a longer time.
- Promotes Critical Thinking: Encourages critical thinking skills in students as they have to analyze, interpret, and draw conclusions from the data collected during the experiment.
- ✓ Develops Research Skills: Practical-based learning develops research skills in students as they have to design experiments, collect data, and analyze it using appropriate methods.
- ✓ Improves Problem-Solving Skills: Apply scientific concepts to solve real-world problems.
- Fosters Collaboration: Fosters collaboration among students as they have to work in groups to design and conduct experiments.
- ✓ Boosts Creativity: Boosts creativity in students as they have to think of innovative ways to solve problems and design experiments.
- Prepares Students for Future Careers: Prepares students for future careers in science-related fields by providing them with the necessary skills and experience.



https://sites.google.com/view/experiential-learning-uk/home

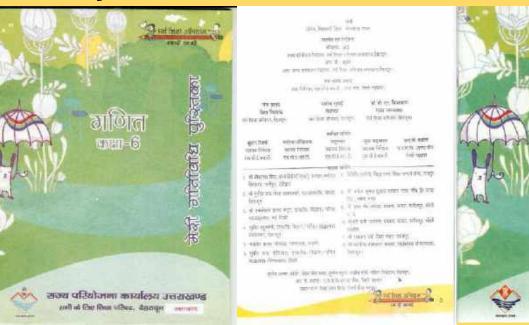
Text Book for Class 6 - 8



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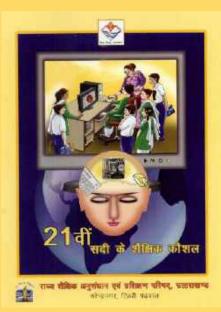




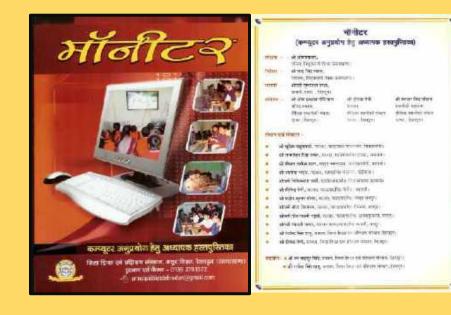
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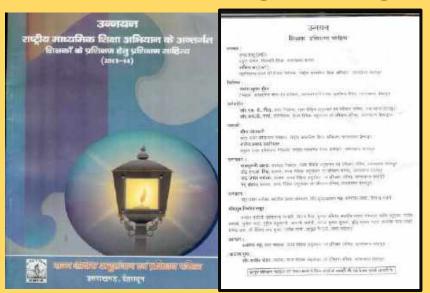
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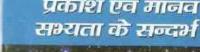
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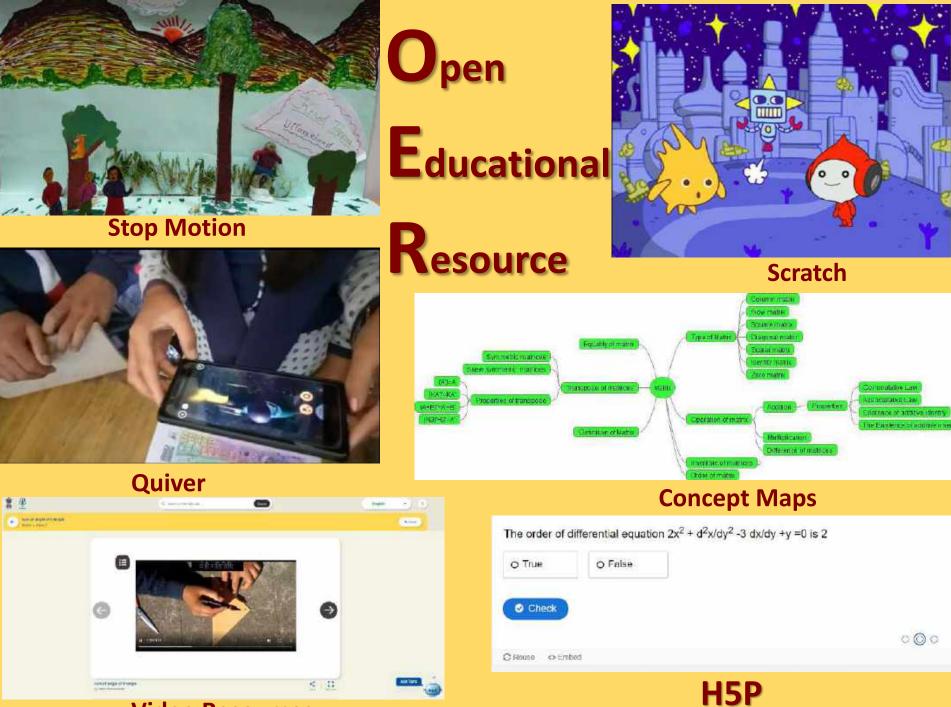
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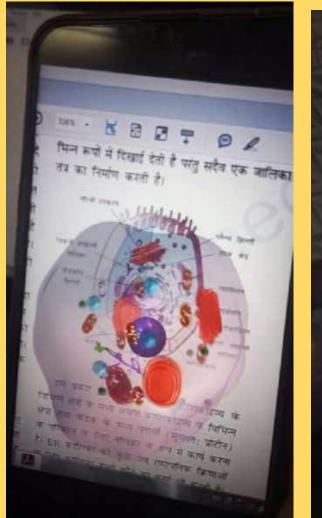




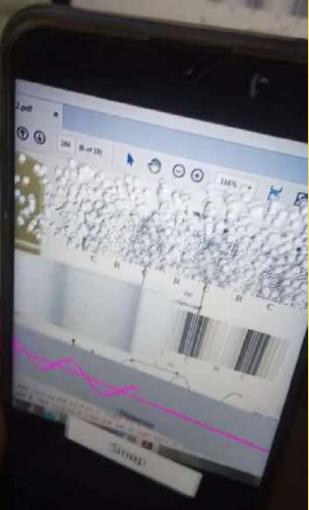




Video Resources





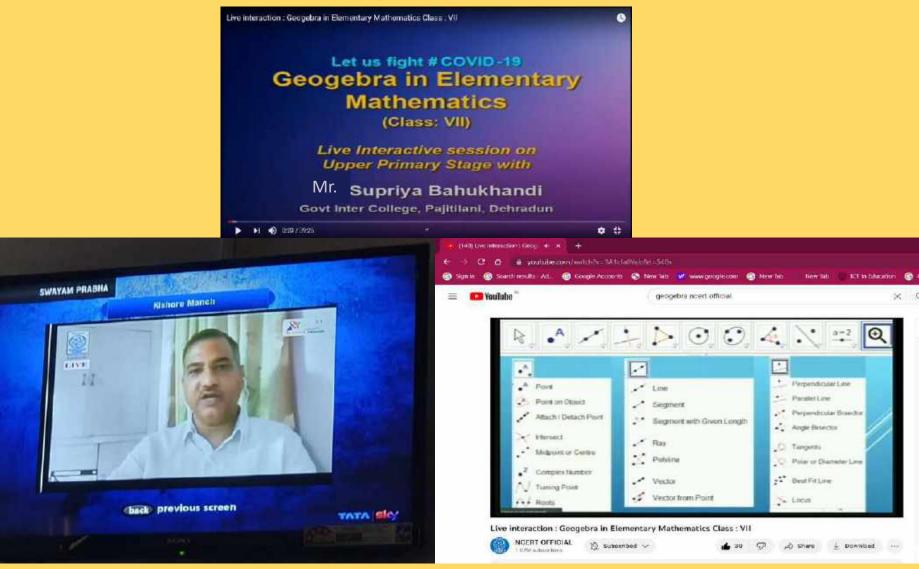


Augmented Reality e-pathshala

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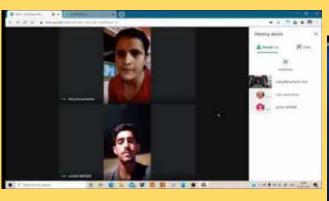


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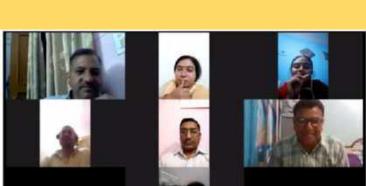
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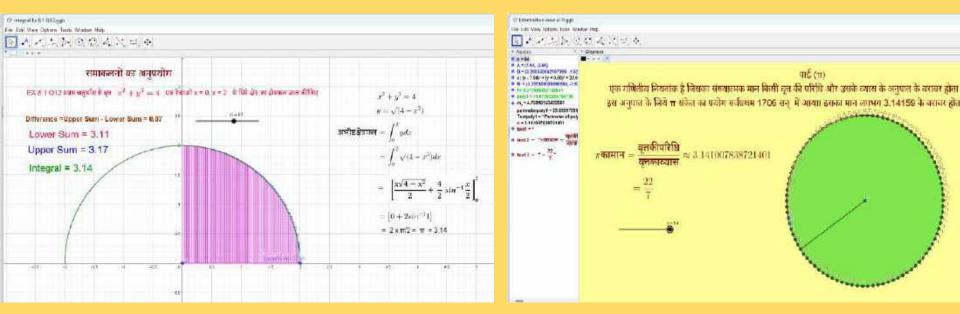
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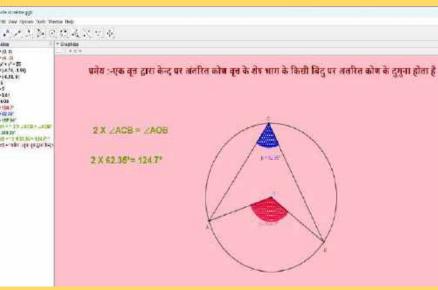




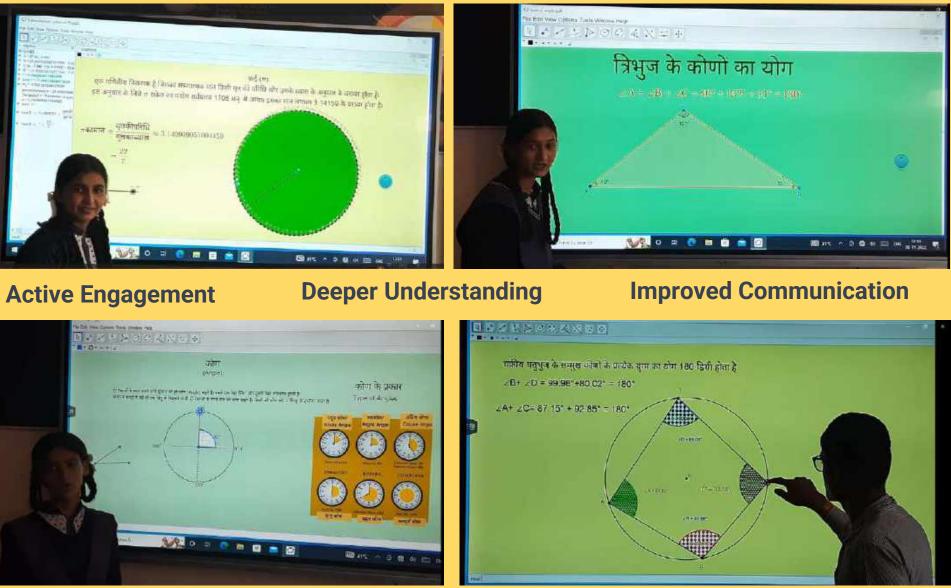
GeoGebra in Class Room







Peer Learning and sharing



Enhanced Social Skills

Increased Creativity

GeoGebra Tool



The National Education Folicy 2020 recognizes the importance of soft tiells such as communication, teamwork, problem-softwag, decision making, analytical thinking, machines, etc. as importance [Fe shifts.

Petr isaming is the process of students learning with and from each other. This is usually learling the students is among adulties ratio as student led wwithdoor, study groups, peer to peer learning performance, and group work.

Airs and Disjective of Peer Learning - The chorster of peer learning is the transfer of traveledge, skills and experience from one manifold by to another. This can arran be transfer be able spectric manopal displayers, benchmarking to report drangs or other forms of poer support.

Advantages of Peer Learning:

Per teoring is a calaborate teoring approximate income work a generic and grant to acceptation, couples take, an one meteorical per teoring and equations. The we are teoring of periods of the teoring of teoring of

L Active Engagement: Provide intring process active engagement or any intrafer to as free work to patter to aske problems and causalisms, and place they and extending of the seek. This index do do not need solved and methoded to count and process.

2. Deeper Understanding: Perr Instrump Version moder to develop in deeper conduct and og of the instrum Targ multimitideer ideas and converging to each other. This process of explanating and thermap helps conduction shalling their neuronality and states for goes in their formalising.

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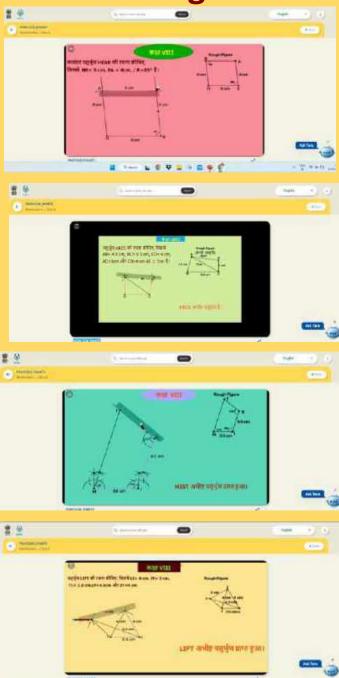
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Peer Learning and sharing

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Digital Video on the DIKSHA Platform













Cyber safety and security

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Pariksh a pe Charch a 2023





