

WELCOME



ICT an interesting teaching – learning Era, Year– 2016 ■

- ICT has revolutionized the teaching learning concept world wide. Mr. Narender Singh Jambal has also used it as a supportive aid to make class room teaching learning since last eight years in different schools where served. I motivated hundred of students to attend ICT classes, motivated other teacher and community to opt new techniques for quality education .Imparted training to hundreds of teachers to make soft copy of lesson plans and to apply in their class rooms . Thousands of students got benefited, improved the quality of education and also enhanced the pass percentage of the respective schools as well of board classes examination . Govt. of HP awarded STATE TEACHAER AWARD for this outstanding contribution and for innovative practices in teaching learning process.ICT is very important devise to make our class room the SMART classroom. Let us make INDIA digital and achieve the VISION-2020.Narender Singh Jambal.

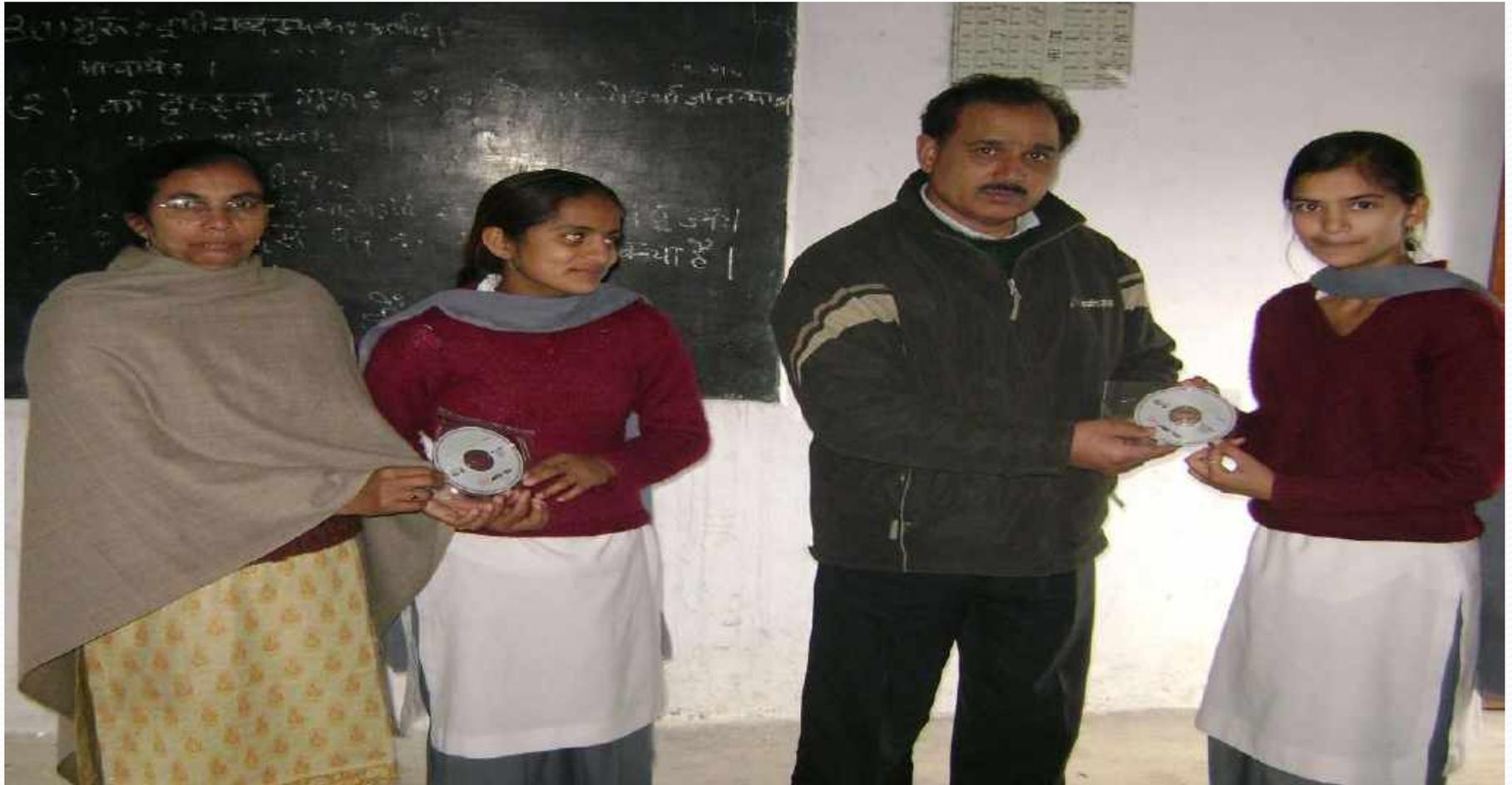
2002, GSSS G Mandi, Lecturer. Learned ABC of ICT from IT teacher and Students in IT Lab



2007 -12, Gsss Rajgarh, Mandi,HP(1)Aasstt Nodal Officer IT



Free rewritable DVDs distribution by Principal Sh G L sharma and female teacher to students for ICT education at GSSS Rajgarh.2008. An initiative of Mr Narender Singh Jambal for ICT.



Commendation

(ICT/IT Education facilitation)

In order to make the teaching learning interesting in the class room Sh. Narender Singh Lecturer in commerce of this school has done remarkable efforts. He worked for establishment of ICT/IT in this school in the year 2007 and motivated the students to take admission in school and opt ICT/IT as one of subject. Student and teacher used the hardware and software for quality learning. He was appointed assistant nodal officer since 2007 to date due to his talent for this. School got following tools :-

- | | | |
|------|------------------------------|-------------------|
| i) | Monitors <i>and CPU</i> | 5 Nos <i>each</i> |
| ii) | Key Boards | 5 Nos |
| iii) | Mouse | 5 Nos |
| iv) | UPS | 5 Nos |
| v) | Modem & Internet connections | 1 Nos |
| vi) | Digital Printers | 1 Nos |

Hundereds of students from 8th to +2 classes in benefited. Due to outstanding efforts of Sh. Narender Singh school improved overall quality of education. He also taught his students & accountany subject with the help of ICT. Students became ICT/IT friendly. To motivate the students for ICT/IT learning he also distributed DVD's in 2007 to 2010 free of cost to the students. He introduced e-learning firstly in this school. He is a great motivator and teacher and ideal for students. For making ICT/IT education popular among students and teacher of school and for innovative teaching his name also recommended for state teacher award by the under signed in the year 2010.

Place : Rajgarh

Date : *May 2010*

G.L. Sharma
20/5/10
Principal
(G.L. Sharma)
GSSS Rajgarh
Mandi (H.P.)

Principal Sh Hem Singh and Mr Narender Singh Jambal Giving free DVDs to students to opt ICT learning at GSSS Rajgarh Mandi HP.2010.



Sh Hem Singh Principal and Mr Narender Singh Jambal giving free of cost DVDs to students to encourage students for ICT education at GSSS Rajgarh in 2011, a sustainable effort of Mr Narender Singh Jambal for ICT learning.



Mr Jambal is using ICT soft and hard wears in computer lab to teach the students about accountancy . It made learning very interested and students also became able to use computer and to download the content related material from internet and to assimilate knowledge successfully. Ggreat effort 2007 to 2012

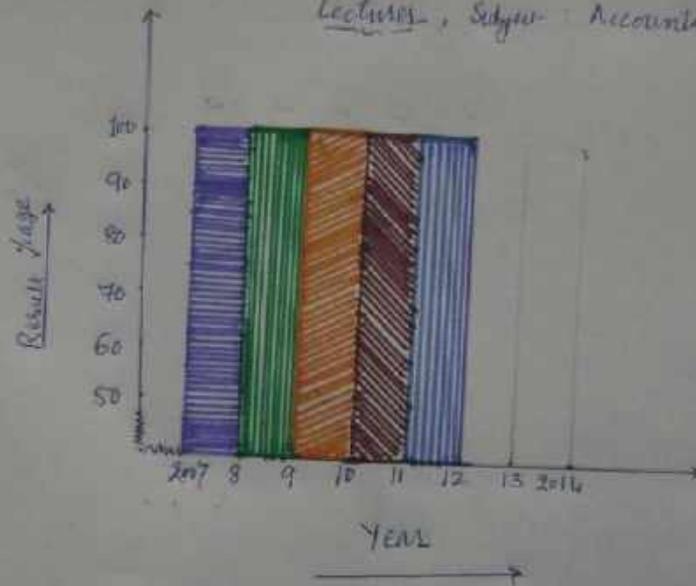


Effects of ICT in teaching-learning

G. S. S. S. RAJGARH Mandi HP

Board Exam Result in R.P.O. Narinder Singh Jambhal

Lecturer, Subject: Accountancy



Sr No	Year	Class	Pass %
1	2007-8	+2	100
2	2008-9	+1	100
3	2009-10	+2	100
4	2010-11	+1	100
5	2011-12	+2	100

Self Attributed
VJ

Merit Certificate

It is certified that Sh. Narender Singh Lecturer in commerce is working as Assistant Nod I office of ICT/IT education in this school since 2007. He motivated the student to apply ICT innovation for quality learning. Students are attending the ICT/IT classes and inculcating the ICT in their other subject and taking interest. It has improve the quality of education, increased the school enrollment, stoped the dropout and improved the school results also. He is also awarded by the Himachal Pradesh government "State Teacher Award 2010" for his outstanding work in the field of ICT/IT teaching-learning. He also taught the accountancy subject with the help of ICT, Students became easy to draw the effects by use of internet and applied in their learning. Students became e-learning familiar and build-up ICT friendly environment. The credit goes to Sh. Narender Singh. I wish him all the success in his future.

Place : Rajgarh

Date : 2012


Principal

GSSS Rajgarh
Mandi (H.P.)



कार्यालय ग्राम पंचायत कैहड़

विकास खण्ड बरह (विद्यत तैट चौक)

राज्यीय स्तर, जिला मण्डी (हि.प्र.)

पता

मुमुक्षु लता

संख्या - 44537-4-1342

दिनांक

चित्तेश्वर कुशाह

संख्या - 94-182-4-1112

दिनांक

दिनांक

प्रमाण पत्र

ग्राम पंचायत कैहड़ (समाजवादी मण्डी, हि.प्र.) की मनेन्द्र सिंह, प्रणता पाणिपत को सम्बन्धित करने हुए जति प्रस्तुत हो रही है, क्योंकि इन्होंने वर्ष 2007 से 2012 तक राज.प.स. राजगढ़ (मण्डी) में अपने कार्यालय में प्रदान इस गावसाल का कामकाज करने एक अनुकरणीय रूप दे दिया है। इन्हें राष्ट्रीय शिक्षा पुरस्कार/मन्त्र पुरस्कार से अलंकृत करने चाहिए क्योंकि (1) गावसाल के लिए इन्होंने द्वारा किए गए कार्यों के लिए 25000 रु. की वकद राष्ट्रीय पुरस्कार स्वरूप मिली है, तीन राजकीय पुरस्कार प्राप्त करने वाली यह गावसाल प्रदेश में अग्रेसरी है, (2) इन्होंने गावसाल में कम्प्यूटर प्रयोगशाला की स्थापना करवाई व बच्चों को प्रोत्साहित किया, साथ ही इनको ग्राम-तौजल आभिकर भी रहे व कम्प्यूटर तकनीकी मन्त्रालय से शिक्षा को गावसाल में लागू करने में सक्षम रहे (3) इसी विधान में राष्ट्रीय सेवा योजना ईकाई की स्थापना करवाई जिसके माध्यम से बच्चों में समाज सेवा का भावना पैदा की, इनके कार्यक्रम अधिकारी भी रहे (4) स्थानीय लोगों की सेवा के लिए विमुक्त विधियाँ सिविल, विद्युत्, मेक, रिफिल व दन्त, मिथिला विद्यापी को लागू करवाया गया। उक्त बात सिविल अथवा अन्य परामर्शनीय कार्य किए। निरमित शिक्षण के साथ उनके सामाजिक कार्य करने सेकंडी प्राइम-समाजों, राष्ट्रीय अनुसूचित जाति व पिछड़ा वर्ग परिवारों को सम्बन्धित किया है। (5) महासत, शिक्षा विभाग और प्रशासन द्वारा गावसाल में व बहाल रखे गए अवित्त की विषय-सूचक कार्यकर्ता को रूप में भुगत करने में सहयोग रहते है। (6) सर्वोत्तम करवाण क्षेत्र में भी इन्होंने अपने कार्यकाल में कम विभाग को सहयोग से बच्चों को व स्थानीय जना। को प्रोत्साहित किया व 6000 रुपये विभिन्न प्रजातियों को रोपित करने में सहक रहे। (7) अपने विभाग में पारदा है व सहा-परिवार परिश्रम रहते है। श्री मनेन्द्र सिंह दुधुमाषी, मैहण्टी, ईशानगर, कौन्स, सिध, अम सिध, राहवासी, मान, लखन, अम कोठी के प्रकसा, प्रथम प्रशासन सहाय, देसायका, सिविदाय अन्वितार, बच्चों के गरीबे अन्वयक है और अनेकों बार प्रशासन, सहकार व स्थानीय समुदाय द्वारा सम्मानित किए गए है। राष्ट्रीय बच्चों की गावसाल के लिए व कार्य प्रदान के लिए सक्षम रहते है। हमें यह खुशी है कि आज विश्वगत प्रदेश लोक सेवा आयोग द्वारा जो सर्व बुलगाव्याक परिश्रमी परिवार में मैरिट सूची में पांचवा स्थान प्राप्त कर इस गावसाल से अन्य गावसाल में बुलगाव्याक बन कर जा रहे है, साथ ही सरकार से अनुमोद है कि इन्हें परमानामार्थ परमानत करने हुए इस गावसाल में निरुक्त कार्य गावसाल की सुशोभिता करे यह स्थानीय जनता को मान भी है। महासत इनके मंगल अभिषेक की कामना करता है वे अपनी के प्रेरण स्रोत है।

(Signature)
 मुमुक्षु लता (सि.प्र.)
 राज्य पंचायत कैहड़
 राजकीय स्तर, जिला मण्डी (हि.प्र.)
 26/9/12

Govt. Of Himachal Pradesh awarded Mr Narender Singh Jambal lecturer as STATE TEACHER award on 5th Sept. 2010(teachers day)at Raj Bhavan Shimla for outstanding contribution in education and to make ICT learning popular among students,teachers and in the community.



Govt. High School Badhu, Mandi

Mr Narender Singh Jambal joined as Headmaster at GHS BADHU in 2012 after passing public service examination in merit. At this new school renovated computer lab, motivated teachers and students to use the ICT for better learning. I also the same to make class fruitful also involved the teachers.

GHS Badhu 2012-14, As Headmaster



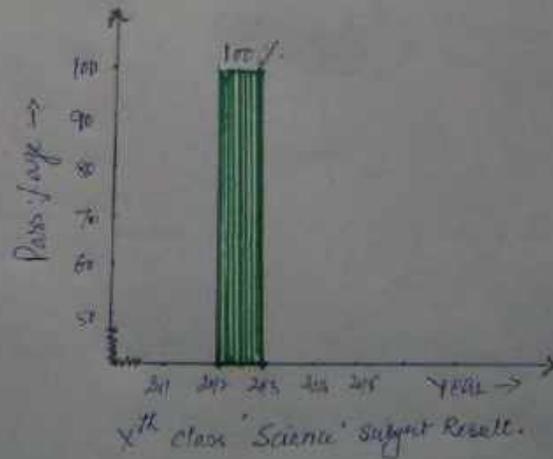
At GHS BADHU teacher is also motivated and trained to use ICT, and e-content they also applied it, results got improved. 2012-13.



Effect of ICT in teaching - learnings

G. H. S. BADHU (Mandi, HP)

Board Exam Result and Science Subject Result 2012-13
Narinder Singh Jambal, Headmaster, Class-8th



Self Prepared
5/11

GHS LOHARA,2014-16, as Headmaster

On public demand of Lohara Panchayat , Govt. transferred me from Badhu to Lohara in Jan. 2014. I joined at Lohara but there was no ICT facilities. I motivated school management committee and requested the department to install ICT lab in this school ,got success, training given to teachers to use ICT as supportive aid and were given training to prepare lesson plan by the use of MS Power Point. They applied group strategy as were directed to do so, I got success ,improved results and quality education. It encouraged me to go further and using ICT whenever got opportunity.

As per joining at GHS Lohara I started to install ICT Lab. In photo work is in progress in my presence.



Checking the proper installation of Interactive Board and setting of projector in Class room at GHS Lohara.



Personally inspecting the installation of 10 computer in ICT Lab at GHS Lohara Mandi,HP.



Personally imparting instructions and demonstrating the use of Interactive Board among the teacher and students in smart classroom at GHS Lohara.



IN class room now teacher is trying to operate the interactive board and also using projector for effective teaching learning at GHS Lohara, Mandi,HP



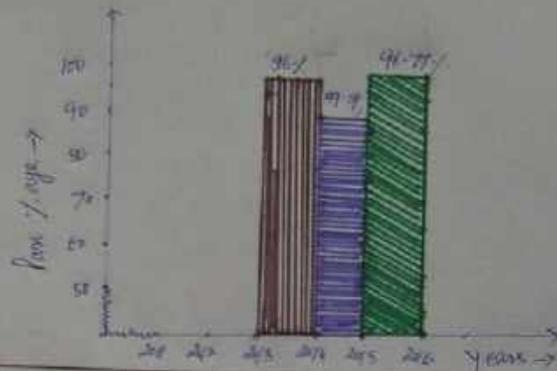
Mr. M.L. Azad additional director of higher education inspected my school and highly appreciated the work done by me for ICT and its optimal use to make learning process effective in the school where 98% students are SC & OBC and BPL.



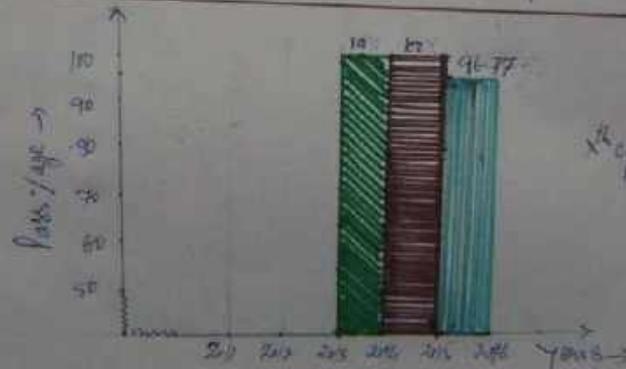
Effect of ICT in teaching-learning

GHS Lohara.

Board Exam Results of Xth class of G. H. S. Lohara, Punjab
in R/o. Sh. Narinder Singh Jambhal, Headmaster.



Xth class Board Exam Results Pass %/age



Xth class Science subject Board Results.

Under my dynamic leadership quality of education get improved,as its result student got position in 10th class for this Hon"ble Director Higher Education awarded student of this school with LapTop in a public function



Two students of GHS LOHARA awarded with LapTop by Director of Higher Education in public function.



Merit certificate issued by SMC GHS Lohara Mandi for ICT .

Merit Certificate
(ICT Education)

Quality education is the major concern of the days. In order to make teaching learning interesting in the class room is a big challenge Mr. Narender Singh Jambal has done excellent work to install ICT lab in the school during his tennure wef. Jan 2014 to April 2016. There are ten computers, two projector, one web-camera, two interactive boards, broadband connection of internet in this school. It became an outstanding school now. E-learning is facilitated by Mr. Singh. Teacher and students are using frequently these available Hard and Softwares. Mr. Singh has also created school web-site www.ghslohara.in. Which is helping the students, parents and community to know about the updates about the school and various schemes. SMC appreciate this outstanding efforts of Mr. Singh to make the school different. SMC wish all the best to him.



(Jai Ram)

President

SMC, GHS Lohara,

Mandi (H.P.)

Honour by gram panchayat Lohara.



ग्राम पंचायत लोहारा
विकास खण्ड बल्लू
तहसील बल्लू, जिला मन्डी (हि.प्र.)-175027

प्रधान :

श्रीमती लता देवी

मो० - 89881-46966, 94181-16900

उप-प्रधान :

श्री चरंजी लाल

मो० - 98163-73406

तारीख:

प्रमाण पत्र

दिनांक: 18/11/2016

प्रमाणित किया जाता है कि श्री नरेन्द्र सिंह, मुख्याध्यापक शास्त्रि लोहारा में वर्ष 2014 से कार्यरत हैं। अपने कार्यकाल में उन्होंने पाठशाला में बच्चों के बहुमुखी विकास के लिए कार्य किए, पाठशाला में शौचालय निर्माण, भवन निर्माण का कार्य करवाया, शिक्षा का स्तर सुधारने के लिए कम्प्यूटर जैब की स्थापना करवाई, अंग्रेजी माध्यम से बच्चों को शिक्षा प्रदान कर रहे हैं। अन्य शक्ति में इनके प्रयासों से पाठशाला को लक्ष्यो रूपर की सम्पत्तिया प्राप्त हुई है। विविध व्यक्तित्व के स्वामी, मुदुभाषी, मिलनसार, स्थानीय जनता और बच्चों में लोकप्रिय है। विभाग, प्रशासन, सरकार द्वारा सौंपे दायित्वों को पूर्ण करने के लिए सदैव अग्रणी रहते हैं। पाठशाला में विशेष धमत्र व छात्राओं के लिए विशेष शौचालय भी निर्मित करवाए, एक सुविधा केंबल इसी विद्यालय में है। रात्री के लिए प्रेरणा स्त्रोत है इनके अपरोक्त कार्यों से पंचायत के सैकड़ों छात्र-छात्राओं, महिलाओं, बुजुर्गों को लाभ प्राप्त हुआ है। मैं इनके उत्कृष्टतम भविष्य की कामना करती हूँ, व सहयोग के लिए धन्यवाद देती है।

लता देवी (प्रधान)

स्थान : लोहारा

दिनांक : जनवरी 2016

ग्राम पंचायत लोहारा

तहसील बल्लू, जिला मन्डी (हि.प्र.)

शनिवार SATURDAY 28 मई 2016

मंडी-कुल्लू कैसटी

बाल्ट स्कूल के मुख्याध्यापक सम्मानित

मंडी, 27 मई (संवाददात्री): शुक्रवार को बाल्ट क्षेत्र की राजकीय उच्च पाठशाला बाल्ट के मुख्याध्यापक नरेंद्र सिंह जम्वाल को डाइट में आयोजित एक कार्यक्रम के दौरान डी.सी. मंडी संदीप कदम ने सम्मानित किया। नरेंद्र सिंह जम्वाल को यह सम्मान राजकीय उच्च पाठशाला लोहरा में मुख्याध्यापक के पद पर रहते हुए शिक्षा में गुणवत्ता लाने के लिए दिया गया। लोहरा में कार्यरत रहते हुए उन्होंने पाठशाला में आई.सी.टी. की स्थापना करवाई व बच्चों को इसका लाभ दिलवाया, जो काफी सराहनीय रहा। इस मौके पर डाइट की प्रभुजावात हेमंत कर्मा व अन्य स्टाफ सहित जिला की 45 पाठशालाओं के प्रधानाचार्य मौजूद रहे।

दैनिक भास्कर

शिमला, शनिवार 28 मई, 2016

4

हेडमास्टर नरेंद्र जंबाल सम्मानित



बाल्ट स्कूल के मुख्याध्यापक को डाइट में सम्मानित करते डीसी संदीप कदम।

सिटी रिपोर्टर मंडी

बाल्ट स्कूल के मुख्याध्यापक नरेंद्र सिंह जंबाल को डीसी संदीप कदम ने डाइट में उन्हें शिक्षा के क्षेत्र में बेहतर कार्य के लिए सम्मानित किया। जंबाल को ये सम्मान-सई स्कूल लोहरा में 2014 से 16 तक शिक्षा गुणवत्ता प्रयासों के लिए दिया है। उनके कार्यकाल में स्कूल में

आईसीटी शिक्षा शुरू हुई। जंबाल ने बताया कि लोहरा स्कूल ने केवल जिला में बल्कि देश का पहला प्रथम हाई स्कूल बना है जिसकी अपनी वेबसाइट है। इसका लाभ बच्चों और अध्यापकों के लिए दिया है। उन्होंने बताया कि आईसीटी द्वारा बच्चों व अध्यापकों को अनेकों बहुमूल्य जानाकारियां प्राप्त होगी और बच्चों की शिक्षा में गुणात्मक सुधार होगा।

DNS
दैनिक न्याय सेतु

हमीरपुर, शनिवार 28 मई, 2016

डीसी ने सम्मानित किए नरेंद्र

मंडी, बाल्ट स्कूल के मुख्याध्यापक नरेंद्र सिंह जंबाल को डाइट में आयोजित कार्यक्रम में डीसी संदीप कदम ने सम्मानित किया। नरेंद्र सिंह को यह सम्मान शिक्षा में गुणवत्ता लाने के लिए प्रयासों को लेकर दिया गया। लोहरा में कार्यरत रहते हुए उन्होंने पाठशाला में आईसीटी की स्थापना करवाई व बच्चों को इसका लाभ दिलवाया।

2 | दैनिक जागरण धर्मशाला, 31 मई 2016

एक नजर

उपायुक्त ने नरेंद्र जम्वाल को किया सम्मानित

नेरचीक : शिक्षा के क्षेत्र में उत्कृष्ट एवं गुणात्मक प्रयासों के लिए मुख्याध्यापक नरेंद्र सिंह जम्वाल को उपायुक्त संदीप कदम ने पुरस्कार देकर सम्मानित किया है। डाइट मंडी में आयोजित कार्यक्रम में मुख्याध्यापक नरेंद्र जम्वाल को उनके वर्ष 2014 से 16 के कार्यकाल में शिक्षा में गुणवत्ता के सराहनीय प्रयास को देखते हुए प्रशस्ति पत्र व स्मृति चिह्न देकर सम्मानित किया गया। राजकीय उच्च पाठशाला लोहरा में



मंडी डाइट में शिक्षा के क्षेत्र में बेहतर कार्य करने पर अध्यापक नरेंद्र को पुरस्कृत करते उपायुक्त संदीप कदम। आईसीटी शिक्षा की स्थापना करवाना व बच्चों को इस शिक्षा का लाभ दिलवाना महत्वपूर्ण है। उनके नेतृत्व में 'सरकारी क्षेत्र में पाठशाला लोहरा प्रदेश में ही नहीं, बल्कि देश भर में पहली ऐसी पाठशाला बन गई है जिसमें

धर्मशाला, गुरुवार, 26 मई, 2016

दिव्य हिमाचल

divyahimachal.com

मुख्याध्यापक नरेंद्र सिंह जम्वाल को मिला सम्मान

नेरचीक - राजकीय उच्च पाठशाला बाल्ट के मुख्याध्यापक नरेंद्र सिंह जम्वाल को मंडी के डीसी संदीप कदम ने शिक्षा के क्षेत्र में सराहनीय कार्य करने के लिए सम्मानित किया। नरेंद्र सिंह जंबाल को डाइट मंडी में आयोजित एक कार्यक्रम में सम्मानित किया गया। नरेंद्र सिंह जम्वाल को यह सम्मान राजकीय उच्च पाठशाला लोहरा में उनके कार्यकाल के दौरान स्कूल में आईसीटी शिक्षा की स्थापना करवाने और बच्चों को इस

**AS SRG (science) member in
RMSA I trained hundreds of teachers at DIET
Mandi for ICT teaching learning process.**



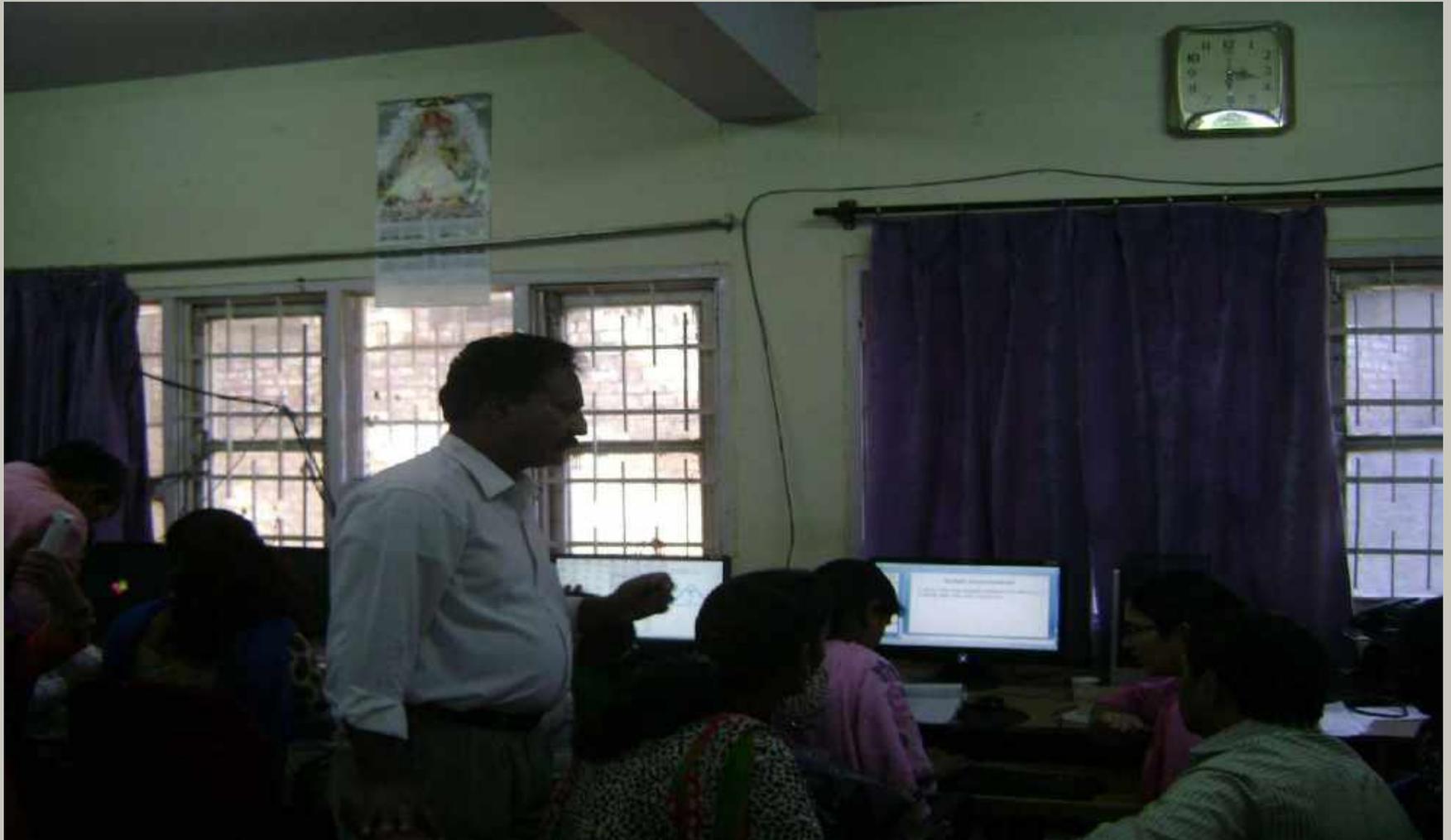
Mr. Jambal is helping the teachers of Mandi to use ICT for formation of Lesson Plan e-content of science subject at DIET Mandi,HP.



Mr. Jambal is giving training to teacher s at DIET Mandi to use ICT for lesson Plan, an untrained individual got trained with in 5 to 10 minuts to use PPT for preparation of lesson plan



Mr. Jambal is helping the teachers about use of ICT and formation of content in Lab at DIET Mandi to form lesson plan.



Mr jambal giving tips to participants about effective lesson plans at DIET Mandi.



Feed back by participants about ICT

FEEDBACK REGARDING FIVE DAYS TEACHER TRAINING PROGRAMME
COMMENCED w.o.f. September 18, 2015 to September 22, 2015 at DIET
Nandi in r/o DRG under RMSA .

Before attending the said training programme we were reluctant to attend it but after five days completion of the training we were quite changed and thankful. We gained a lot of experience and hence creativeness in our ideas . we admitted the fact that " change is the only unchangeable law of nature " .

During the training we were very excited to learn by the RMSA team presided by Sh. Narendra Singh Jambal and assisted by RP's namely Sh. Kishori Lal Thakur , Sh. Bharat Kashyap et al . Earlier to this we used the traditional method of teaching and also the old prayers , National Anthem , Vande matram tune and pronunciation got improved under the guidelines of the said team .

Now we have moved from blackboard to ICT Lab. The results are now quite fruitful to achieve the real goal of education . Our timings during the training was from 10:30AM to 5:00 PM . There we learned to use low cost teaching aids and hands on tools for teaching learning process , we have worked over project , MS WORD , MS Excell , Power Point Presentation (PPT) , important basic concept of computer science and learned how to prepare the lesson plans.

Now students are in a position to learn and understand the concepts easily without any stress or strain . We are of the opinion that such training programs should be organized during holidays in order to facilitate the teaching and not to suffer the classes in schools . Under Swayam Sidham Project we were taught that there will be group formation at school level , Distt. Level and State level which will be interlinked with each other under a web portal , where we can login any time . Problems related to various subjects and queries can be put on there , after a very short time one can get exact solution with absolute accuracy to deliver among the students .

In brief we conclude the two methods of teachings , using ICT we will be most resourceful , exact and innovative in our approach of teaching learning method . ICT technique should be imparted in schools with active participation of teachers and students .

ICT METHOD V/S TRADITIONAL METHOD:

The rapid growth of Information and Communication Technologies (ICT) has challenged the traditional methods of teaching . The teaching method is now divided into two different ways of thinking on education, one is traditional and other one is ICT Method. Most of the

Feed back

Teachers and experts have explored new methods of teaching and believe that modern methods or the ICT method is better than the traditional method of teaching. We noticed a significant difference between the traditional as well as ICT Method. The traditional role of teaching focuses on the teacher as organizers of learning activity, providers of information and experts of knowledge. The teacher carries too much of responsibility for teaching in the classroom to make sure everything they are teaching is understood by the students or we can say there is a typical way to control class where the teacher teaches using blackboard, explains concepts, asks students to copy and makes sure that students are paying attention. Besides that, the traditional way also focuses on inculcating discipline among students and building their character. The progress in (ICT) has challenged the teachers' way of thinking and changed the educational landscape globally. As a result, the recent decades have noticed rapid and radical changes in the educational environment. It is now widely accepted that the new method (ICT) is the best way to have attention of the new generation and make them interested in subjects. The ICT method also helps the students get actively involved through hands-on activities rather than teaching them by traditional method. The role of a teacher has changed now. In his new role, he is now treated as an advisor, manager and facilitator of learning and also as a developer of skills. The use of ICT method develops the student-teacher relationship, where the teacher acts as an observer; standing back to let learning happen and lets the students solve problems. In this case the teacher is responsive to students' cognitive needs and development. The ICT is used in modern teaching to promote interaction, support creativity, active learning, high order thinking etc. We have noticed that the evaluation of teaching and learning process improves the quality of both teaching and learning today. Actually it creates a high level of responsibility among teachers and students which in turn produces better results. Teaching and learning process which uses ICT as well as traditional should therefore be subject to evaluation. The traditional approach of teaching was considered as formal teaching method, it involves the direct flow of information from teacher as sage to students as receptacle. Use of ICT in teaching develops higher order skills such as collaborating across time and place and solving complex real world problems. It improves the students' perception and understanding of the world. ICT may contribute to more and better learning. It seems to us that the use of ICT in teaching can empower teachers and learners, transforming teaching and learning processes from being highly teacher dominated to student-centered, and that this transformation results in increased learning in students. We are also of the opinion that there should be a proper co-ordination between traditional methods of teaching,

Feedback

where the students sometimes get bored and need change. The ICT brings better quality of material to the classrooms and libraries. It provides variety in the presentation of content which helps learners in concentration, better understanding, and long retention of information which is not possible in case of traditional Methods. The use of Information and Communication Technology has not only improved the quality of higher education in the past decade but has brought a revolution in the process. The reason being, the effectiveness of the teaching method.

Presented By

Vinod Sharma
(1) Dr. Vinod Kumar Sharma
Lect. In Biology,
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Teh. Baldwara, Distt. Mandi (H.P.)
Contact No. 9418156705

Ami Chand Sharma
(2) .Ami Chand Sharma

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Contact No. 9418391442.

Copy to :

1. D.C. Mandi .
2. Director of Higher Education Shimla .
3. Deputy Director of Higher Education (RMSA Co-ordinator).
4. Principal , DIET Mandi (H.P.)

Merit Certificate by DIET Mandi

Merit Certificate

It is my pleasure to certify that Sh. Narender Singh Jambal working as Headmaster at GHS Balt, Mandi. He is the member of state Resource Group (Science) since 2013 and has trained hundred of science teacher of Mandi district in the science subjects since 2013 till date. He used ICT innovative teaching-learning during the training and imparted training to form lesson plan soft copy by using PPT. He also trained these teacher to used effects of internet in their teaching in class room. The quality of training is outstanding and I had personally evaluated the same. These teachers applied this learning in their classes and improvised the results also. In order to make the ICT/IT learning popular among the teacher the efforts of Sh. Narender Singh are outstanding and deserves to be decorated with honour.

Place : Mandi

Date : April 2016


Principal 22.3.16
District Institute of
Education Training
Mandi (H.P.)


T.T. (RMSA)

Training at SIEMAT Shamiaghat(shimla)

Mr Jambal is working as a member SRG(science) since 2013 and participated in workshops organized by SPO (Shimla) at SIEMAT Shimla to form Lesson Plan, Learning Indicator and question bank for 9th and 10th classes, these were implemented in himachal pradesh successfully .It enhanced pass percentage and quality education in the state as was evident from base line and end line survey reports issued by education department of himachal pradesh

At SIEMAT Shimla Mr jambal is using ICT for preparation of Lesson Plan, Learning Indicator and Question Bank in different workshops



Mr. Jambal is helping member of group in ICT lab at SIEMAT shimla during workshop of e-content formation



Learning Indicator and e-Content Science , 9th and 10th, RMSA



Learning Indicators

Class - 9th

All Subjects

WHAT SKILLS, ATTITUDES AND
DISPOSITION
DO OUR STUDENTS NEED FOR THEIR FUTURE?



Rashtriya Madhyamik Shiksha Abhiyan
State Project Office Shimla, Himachal Pradesh



Learning Indicators

Class -10th

All Subjects

LET US MEASURE OVERALL DEVELOPMENT AND
ACADEMIC PROGRESS OF STUDENTS



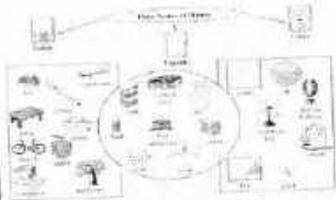
Rashtriya Madhyamik Shiksha Abhiyan
State Project Office Shimla, Himachal Pradesh

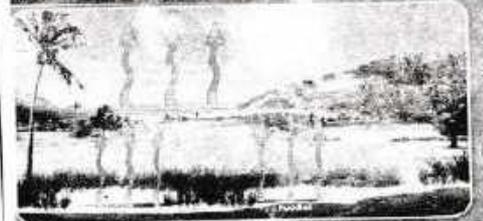
E-content and Links

CHAPTER 1 Matter in our Surroundings

GENERAL OBJECTIVES:

- To promote spirit of enquiry, experimentation and observation.
- To interpret the impact of various phenomena on our day to day life.
- To promote problem solving and scientific attitude among the students.

Curricular expectations	Pedagogical process	Learning Indicator
Concept of Matter	<p>Teacher will show the diagram and manage Group discussion on matter with students, encourages them to observe the things around them. And classify them on the basis of their observation into solid, liquid and gases.</p> <p>Diagram showing matter</p>  <p>SUGGESTIVE ACTIVITY Teacher encourages the students to Collect book, pencil, sand, stone, wood block, water, and syringe filled with air or air filled balloons and separates them according to their physical state.</p> <p>School building made by bricks, sand in particle form.</p> <p>By grinding Brick into fine powder (demonstrate to show the smallest possible size of grinded brick in classroom)</p> <ol style="list-style-type: none"> Beaker filled with marble (kanche) and add 50 ml of water in it Add one spoon of sugar in 50 ml of water and record observations. 	<p>Students Identify and classify the matter.</p> <p>They recognize matter.</p> <p>They recognize the state of matter</p> <p>Students Develop an idea about the size of particle.</p> <p>They explain the particles of matter, movement and diffusion of particles and effect of temperature.</p>

	<p>Three beaker one with cold water second with warm water third with hot water, put one crystal of potassium permanganate in each and record the observation</p> <p>SUGGESTIVE ACTIVITY</p> <p>video on matter http://www.youtube.com/watch?feature=player_detailpage&v=LMFtz-Kmj-Y</p> <p>video on diffusion http://www.youtube.com/watch?feature=player_detailpage&v=x1nAtHKGmQ http://www.youtube.com/watch?feature=player_detailpage&v=CIjeAysGaxg</p> <p>video on evaporation http://www.youtube.com/watch?feature=player_detailpage&v=ZfFmkiRemJo http://www.youtube.com/watch?feature=player_detailpage&v=n5nubvwIJQM</p>	<p>They explain the matter</p> <p>Students Explain diffusion</p> <p>Students explain the phenomenon of evaporation</p>
Evaporation	<p>Teacher will show the images of evaporations and manage Group discussion with students, and ask them to give other examples of evaporation.</p> <p>Images showing evaporation</p>    <p>Videos on evaporation Suggestive activity Perform activity 1.14 page No.9</p>	

CHAPTER-1 CHEMICAL REACTIONS AND EQUATIONS

GENERAL OBJECTIVES:

- To promote spirit of enquiry, experimentation and observation.
- To interpret the impact of various phenomena on our day to day life.
- To promote problem solving and scientific attitude among the students..

Curricular expectations	Pedagogical process	Learning Indicator
Chemical reactions Chemical equations Writing a chemical equation Balancing of chemical equation	<p>Teacher ask the student to observe the following things at your home and record the observations</p> <ol style="list-style-type: none"> Milk is left at room temperature during summers. An iron tawa/pan/nail is left exposed to humid atmosphere. Grapes gets fermented. Food is cooked. Food gets digested in our body. We respire. <p>Suggestive activity Activity 1.1, 1.2 and 1.3 p2 (HPB*) Perform activity 1.1 with the help of teacher Take a Mg ribbon rub it first and then place on a burner and note the observations. Keep your eye away from the flame. What do you observe? Teacher can explain the above experiment with the help of following video for effective teaching learning http://www.youtube.com/watch?feature=player_detailpage&v=NnFzHt6l4z8</p>	<p>Students explains</p> <ol style="list-style-type: none"> Chemical reaction between Mg and O₂ change in state change in colour evolution of a gas Change in temperature Writing and balancing of chemical equations
Types of chemical reactions a. Combination and exothermic reaction	<p>Teacher will encourage the student to perform activity 1.4p8 (HPB*) Students will take small amount of calcium oxide or quick lime in a beaker and will slowly add water in the beaker. The teacher will ask the students to touch the beaker and note the observations. The teacher will then explain combination reaction Teacher can explain the above experiment with the help of following video for effective teaching learning</p>	<p>Students recognise the change in temperature and explain combination and exothermic reactions.</p>

	<p>Teacher will encourage the student to perform activity 1.10p16 (HPB*) Teacher will ask the students to take sodium sulphate solution in one test tube and barium chloride solution in another test tube and then mix the two solutions and record the observations Suggestive activity Teacher will show following Youtube video to their students for effective learning This video shows double displacement reaction of silver nitrate and sodium chloride http://www.youtube.com/watch?feature=player_detailpage&v=eGG3E14mwok</p>	
Oxidation and reduction Effect of oxidation in daily life	<p>Teacher will explain about oxidation and reduction, also encourages the students to make a list of oxidation and reduction reaction in our day to day life e.g. Photo synthesis is an example of oxidation and reduction reaction $6CO_2 + 6H_2O + \text{light} \rightarrow C_6H_{12}O_6 + 6O_2$</p>  <p>(Photosynthesis)</p>	Students explain oxidation and reduction and their effects in daily life.
Corrosion	<p>Teacher will explain about corrosion, also encourages the students to collect and make a list of corroded material at your home and in surroundings The following picture shows rusting of iron</p>  <p>Suggestive activity is: Following a tube videos showing corrosion</p>	Student explain about rusting, corrosion and their characteristics
Rancidity		

Govt. Sr Sec School Khuhan, Siraj-2, Mandi

In the year 2016 got promoted as principal and joined at GSSS Khuhan which is located in remotest and hard area of Mandi district ,it is not connected with road. There is lack of building and infrastructure. ICT lab is there. Six post of teachers are vacant. In order to rearrange work load of teacher I motivated them to use ICT in there teaching learning process. Member of community and students also apprised about the value of ICT. Training sessions organized for them. Now teachers and students became adaptable toward ICT. It has opened new door of learning for them.

GSSS Kuhuana, 2016-17 as Principal



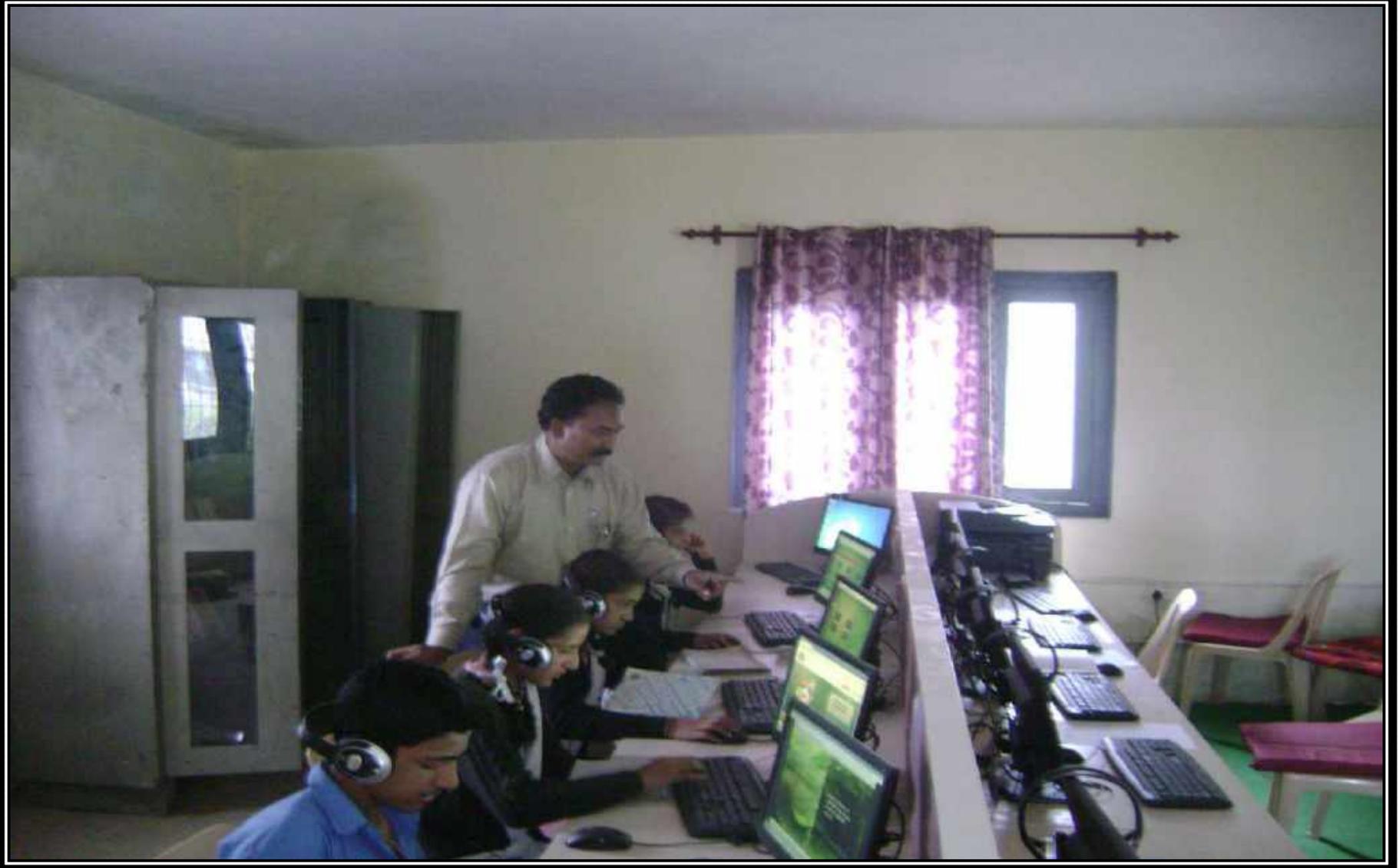
SMC in ICT Lab, Public Participation, GSSS Khuhan



I got success to bring the local community to my smart classroom and made aware about ict and e-contents used for there children's for quality education at GSSS Khuhan.



A group of students is given training to use ICT and e-content for quality learning in lab.



In smart classroom students are encouraged to take part in learning process, in this one student read the content another explain and one more write the difficult word on the green/black board. Every student is given the chance to perform in groups. Result oriented innovation.Participatory learning.



At GSSS Khuhan training workshop are arranged to make them ICT loving and its users , special attention is given to female teachers. They are now taking more interest to use ict tools for students learning inside the class and keep them busy in learning.



Mr. Narender Singh Jambal, Principal, discussing at GSSS Khuhan about quality education of students with their parents & panchayat body and use of ICT in learning and its importance in everyones life.



Panchayat pradhan and members are enjoying the ICT use in learning in computer lab at GSSS Khuhan, Mandi,HP.



Training the teacher at GSSS Phagwash about ICT and e-content use in class room teaching.



Presentation by teacher and use of ICT as supportive tool at GSSS Phagwash.



Motivation for new learning through ICT and e-content By Mr. Jambal.



Imparting training to Principal, Headmaster, and CHT of different Sr. Sec. High & primary school of Mandi Distt. Of Himachal Pradesh, insisting for ICT use in school.



Mr. Narender Singh jambal at DIET Mandi in a training programme for Heads & effective use of ICT ,A successfull programme.



Training to Heads & use of ICT and healthy interaction with heads at **GSSS** Bhangrotu.



ICT Knowledge dissemination among masses



ICT practices in the

classroom for students
quality

learning.(EVS).**Used**

PPT and MS Word

as a ICT Tool.

WATER

CYCLE.

DEAR

STUDENTS WATER IS ONE OF BEST COMPONENT OF ENVIRONMENT , IT IS IMPORTANT TO KNOW ITS CYCLE .ONE CAN LEARN AND ENJOY IT.

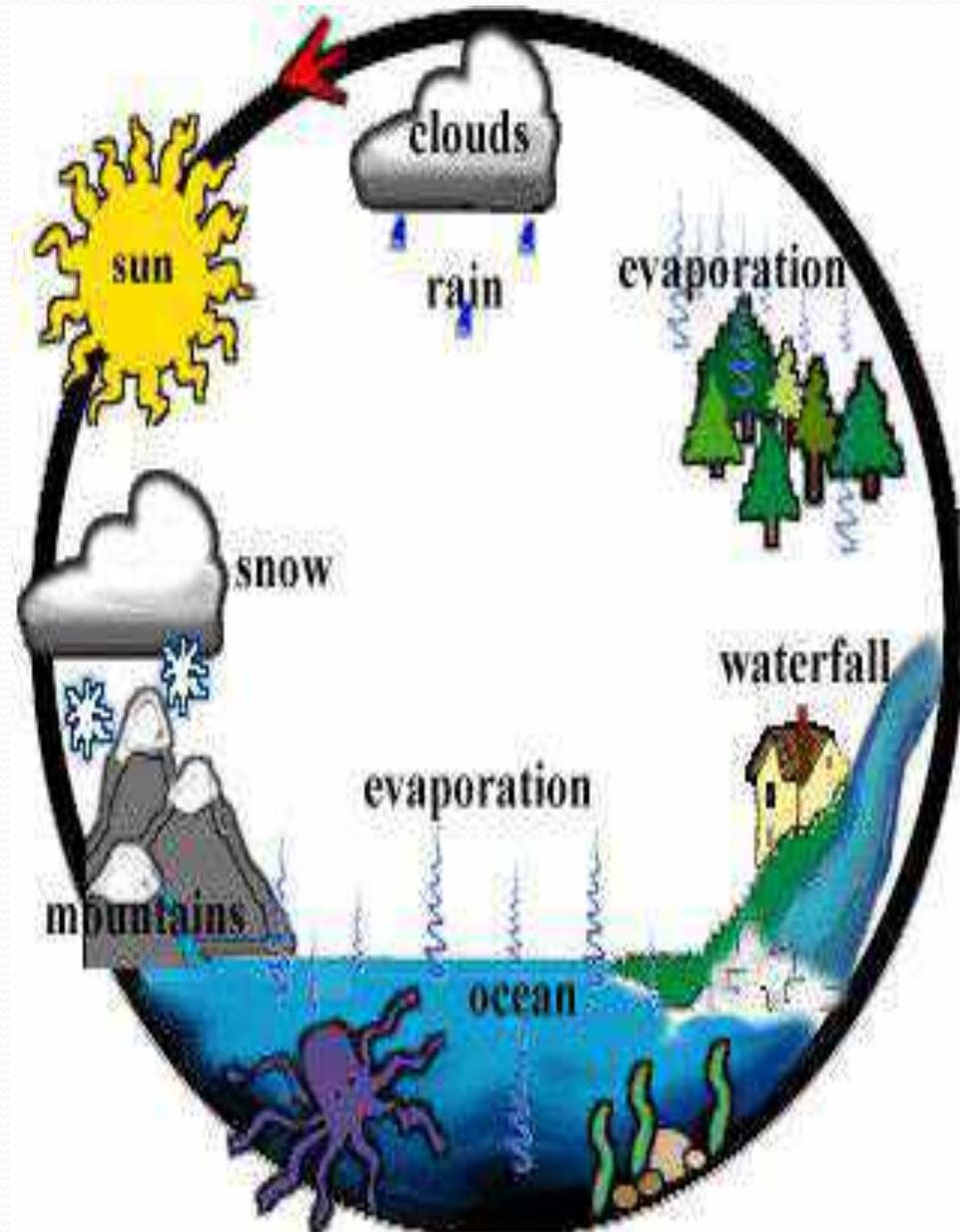


Objectives of water cycle are
as:-- One will become able to
understand about

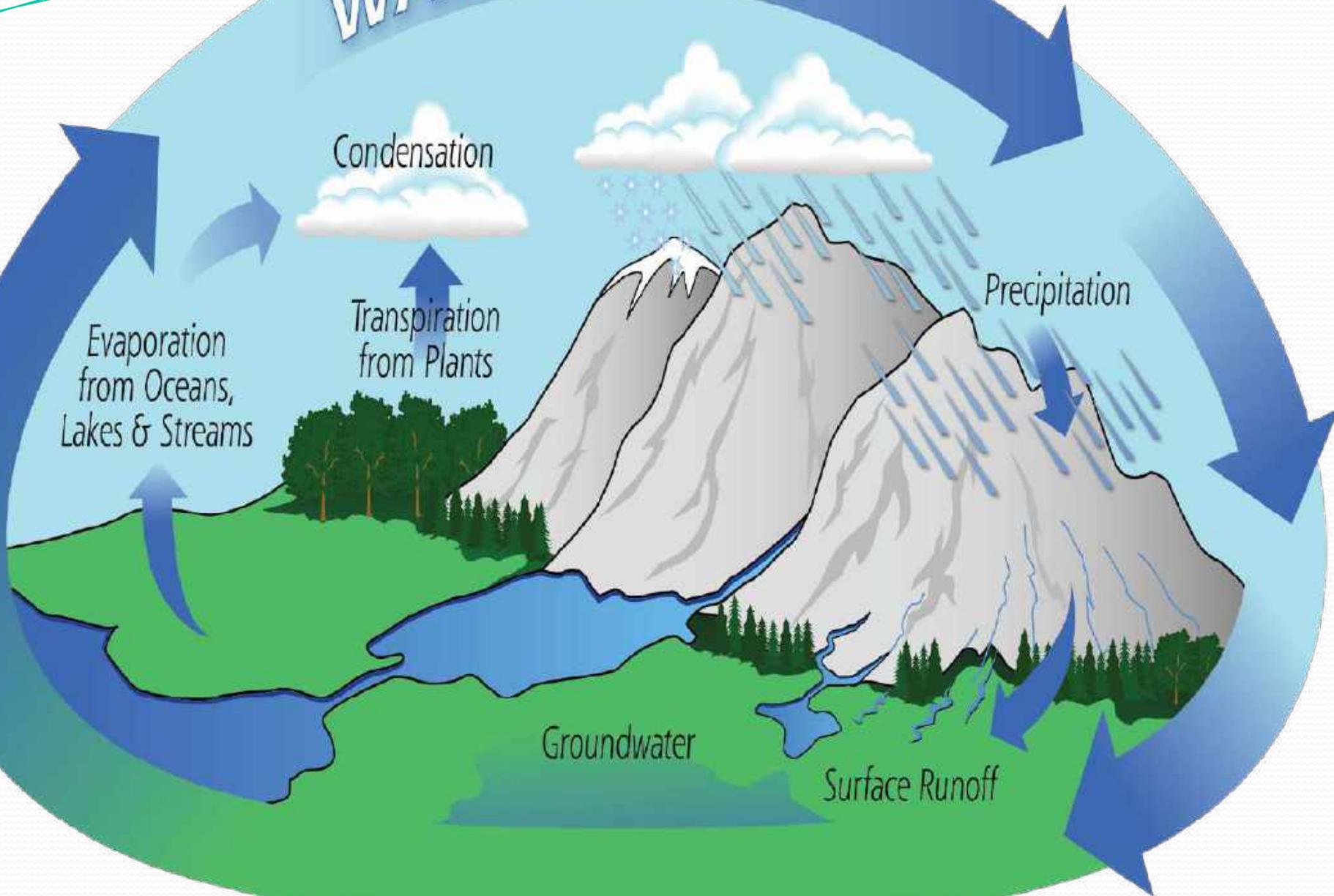
- (1) Evaporation.
- (2) Transpiration.
- (3) Precipitation.
- (4) Storage.
- (5) Condensation. Etc.

Water Cycle

Most of the Earth is covered by water. Almost all water on the Earth transfers from the Earth's surface to the atmosphere and back in a continuous process called the water cycle. In this way water on Earth is constantly recycled



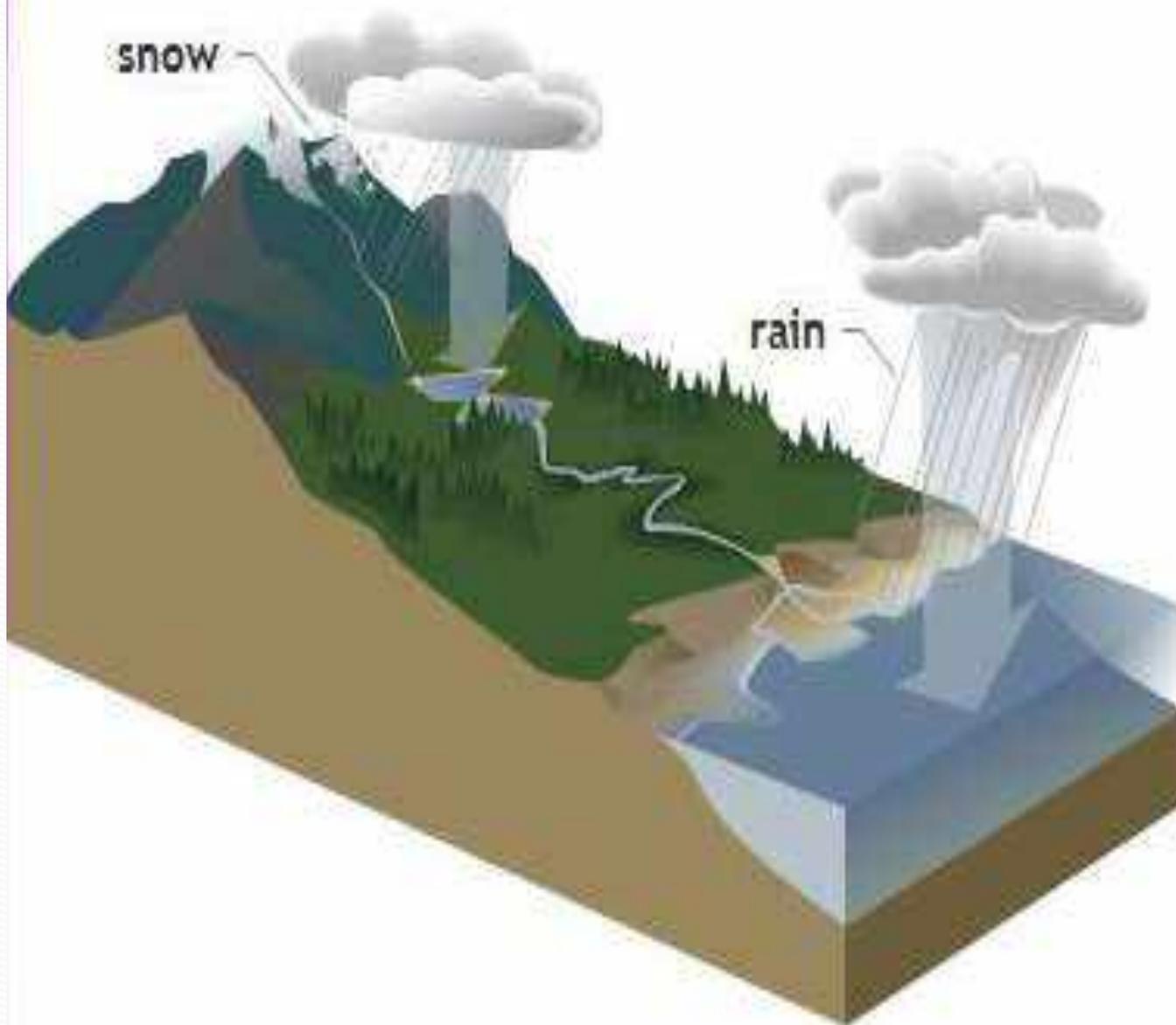
WATER CYCLE



process through which water cycle take place

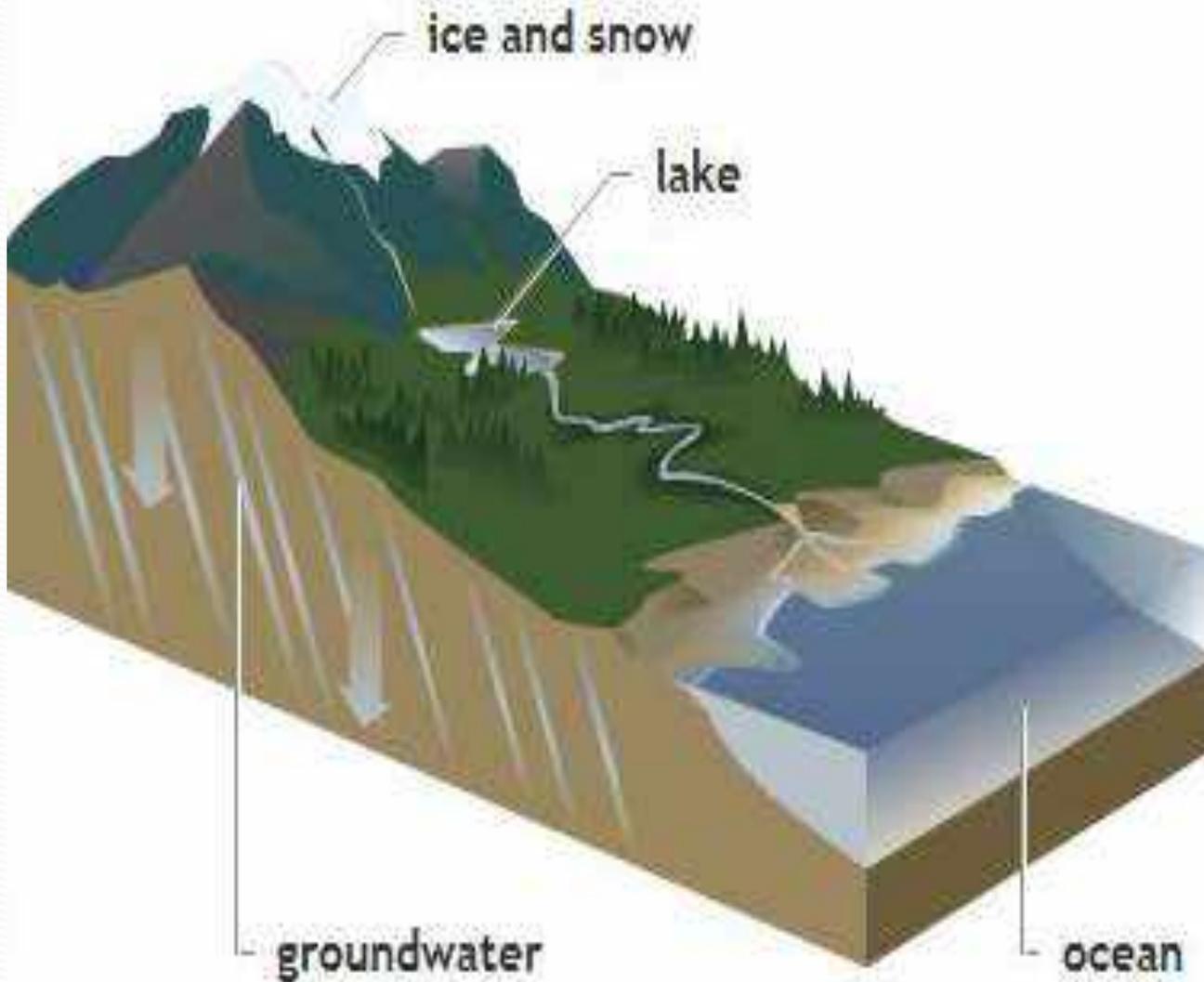
- I. Precipitation**
- II. Storage**
- III. Run off**
- IV. Evaporation and Transpiration**
- V. Condensation**

Precipitation



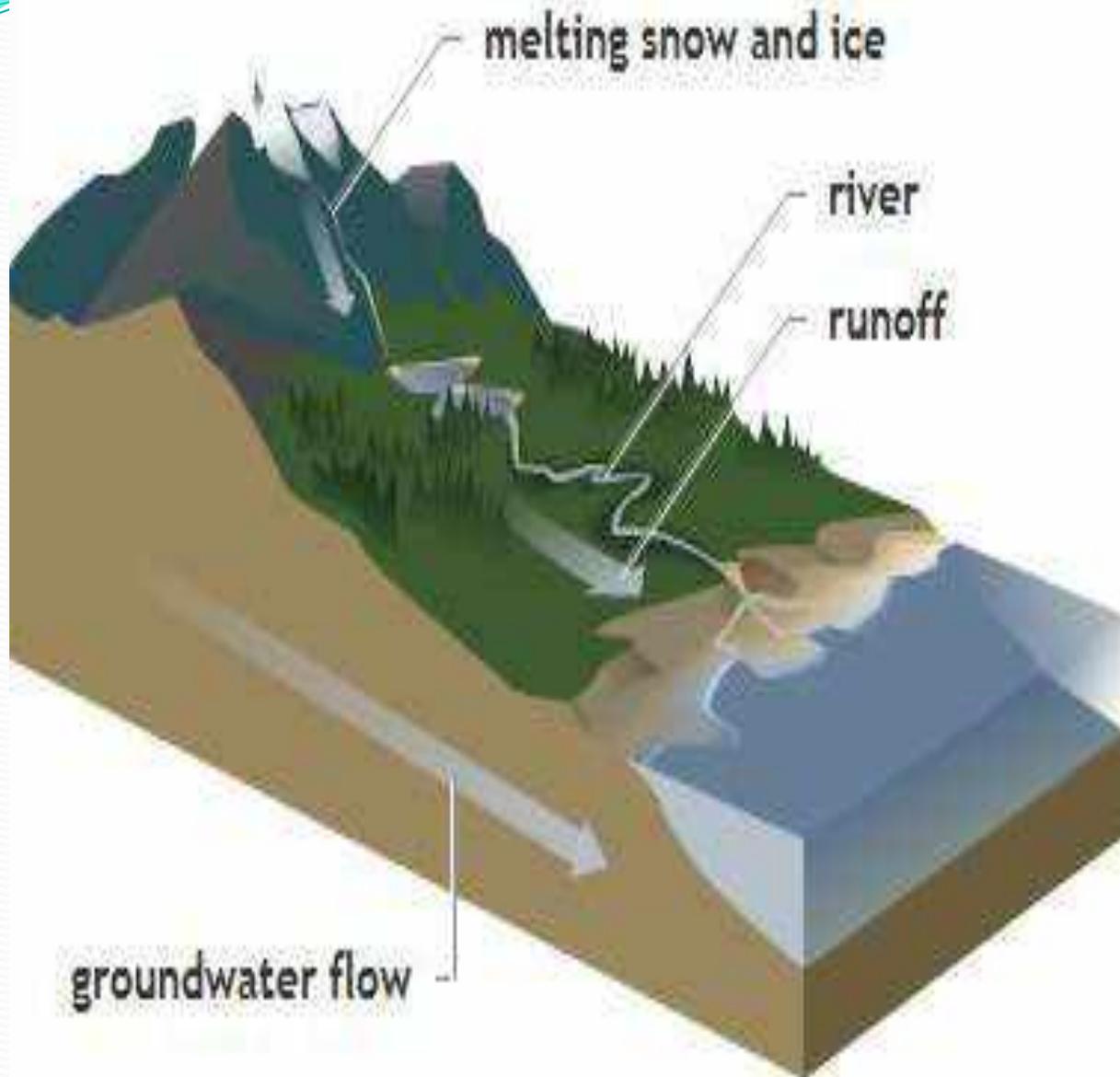
The water that falls to the earth is called **Precipitation**. Precipitation consist of rain, snow and other form of moisture

Storage



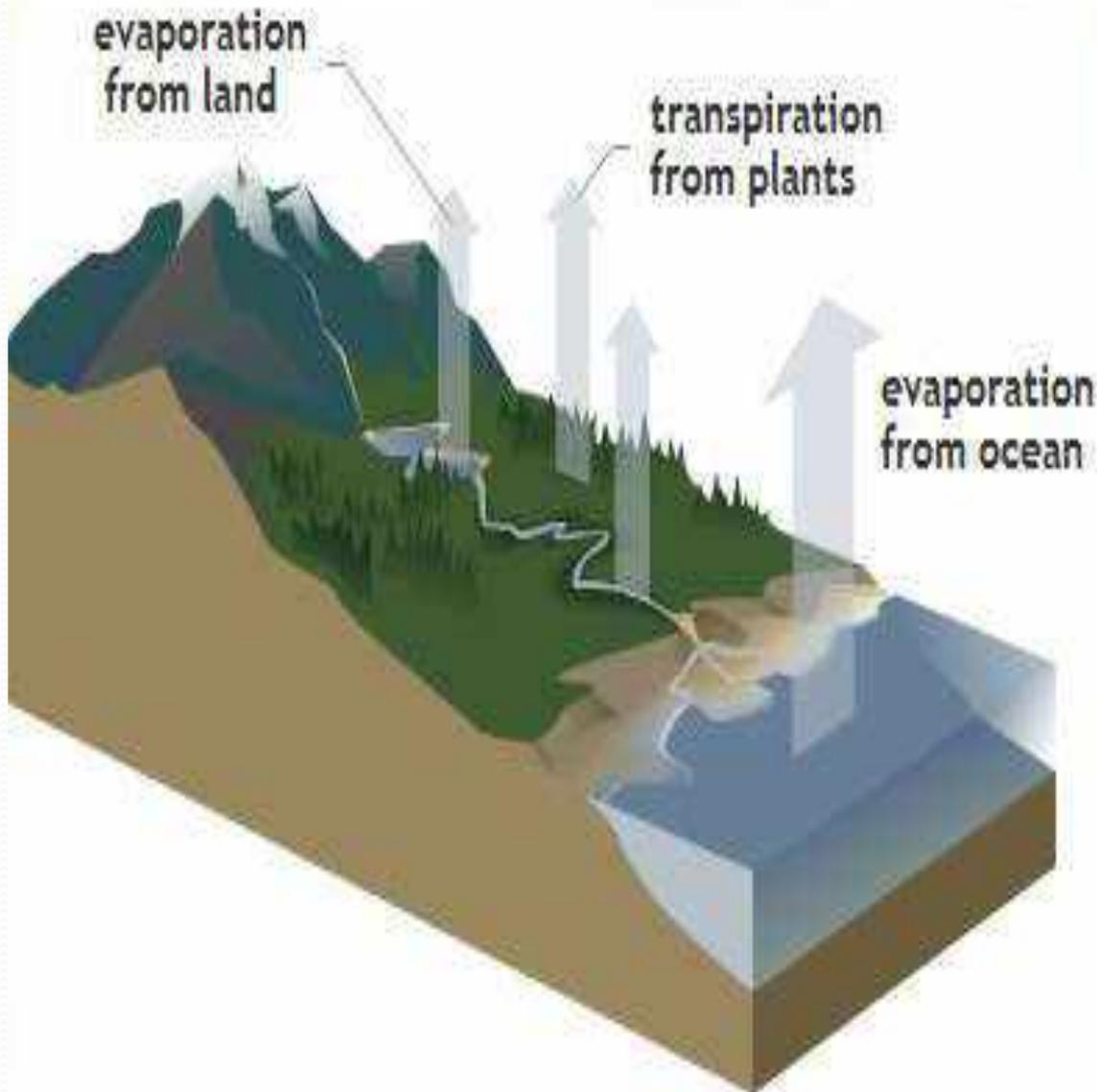
Precipitation is stored on Earth as snow and ice and in streams, rivers lake and oceans. Some precipitation sinks into the ground and is called groundwater

Run off



Water that flows from land into streams, river, lakes and oceans is called runoff. Ground water also runoffs from the area that have more water to areas that have less

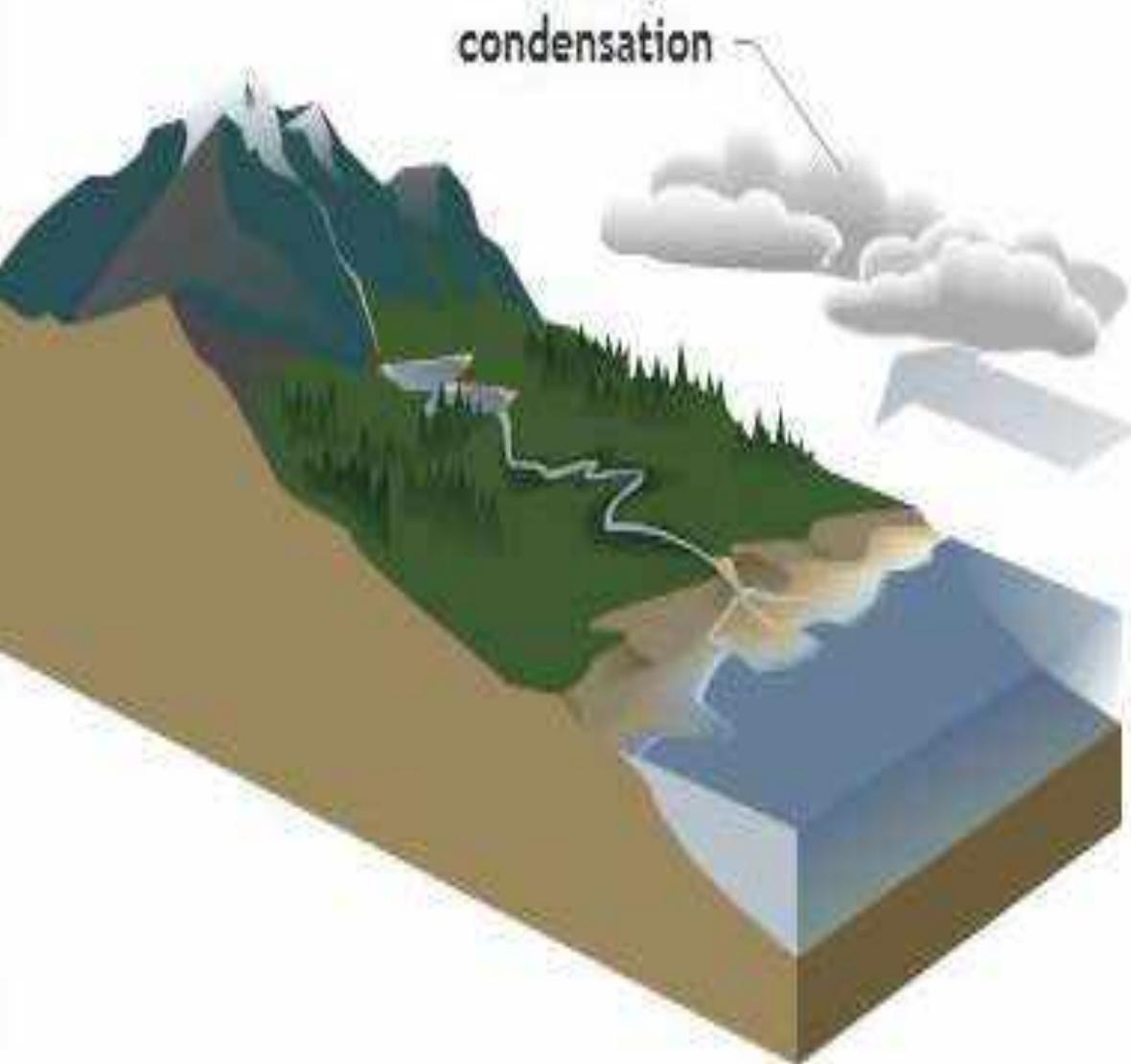
Evaporation and Transpiration



Water in oceans and on land is absorbed into atmosphere by a process called evaporates, it changes from liquid into a gas called water vapour

Water can also evaporates from plants in a process called transpiration

Condensation



In condensation, water vapour in the atmosphere changes into ICE crystals or water droplets when air gets cold enough. These crystal or water droplets in a cloud get heavy enough, they falls to earth as precipitating

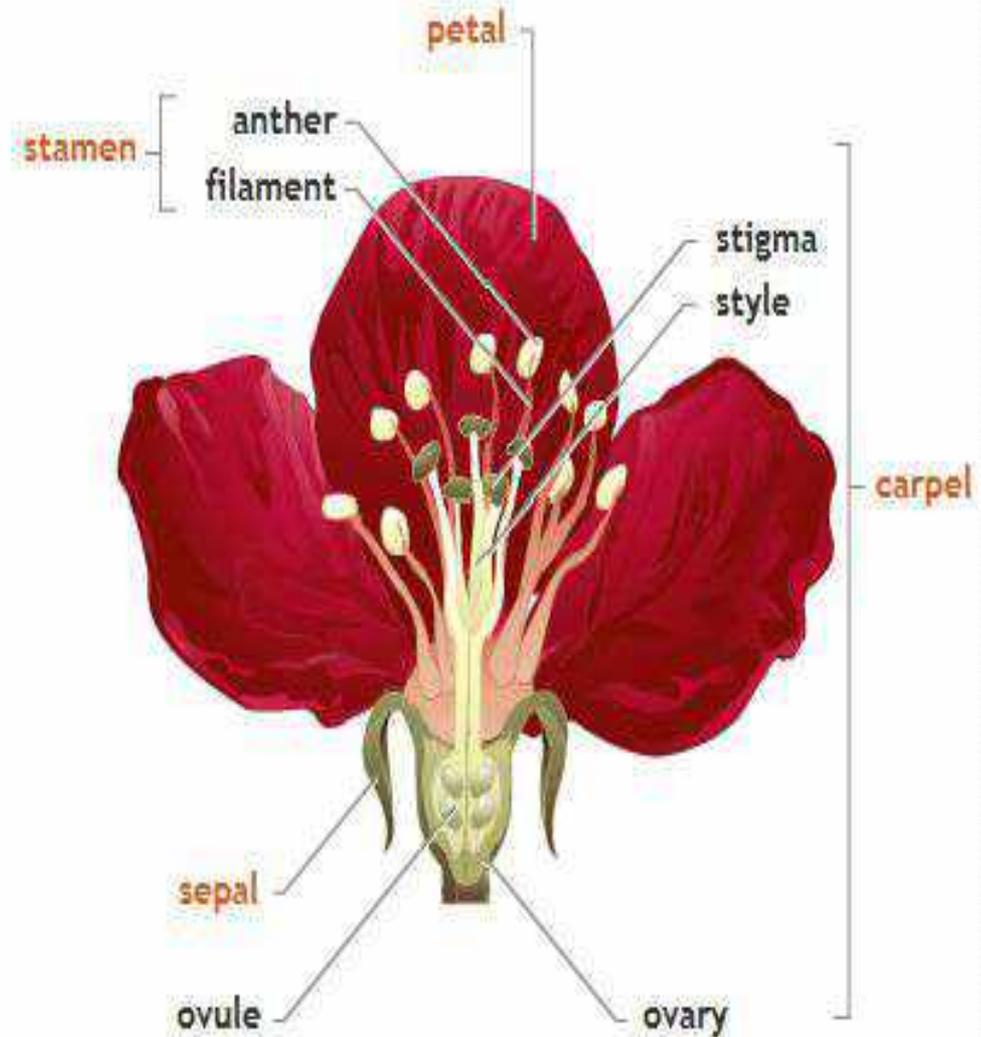
Evaluation:-Lear

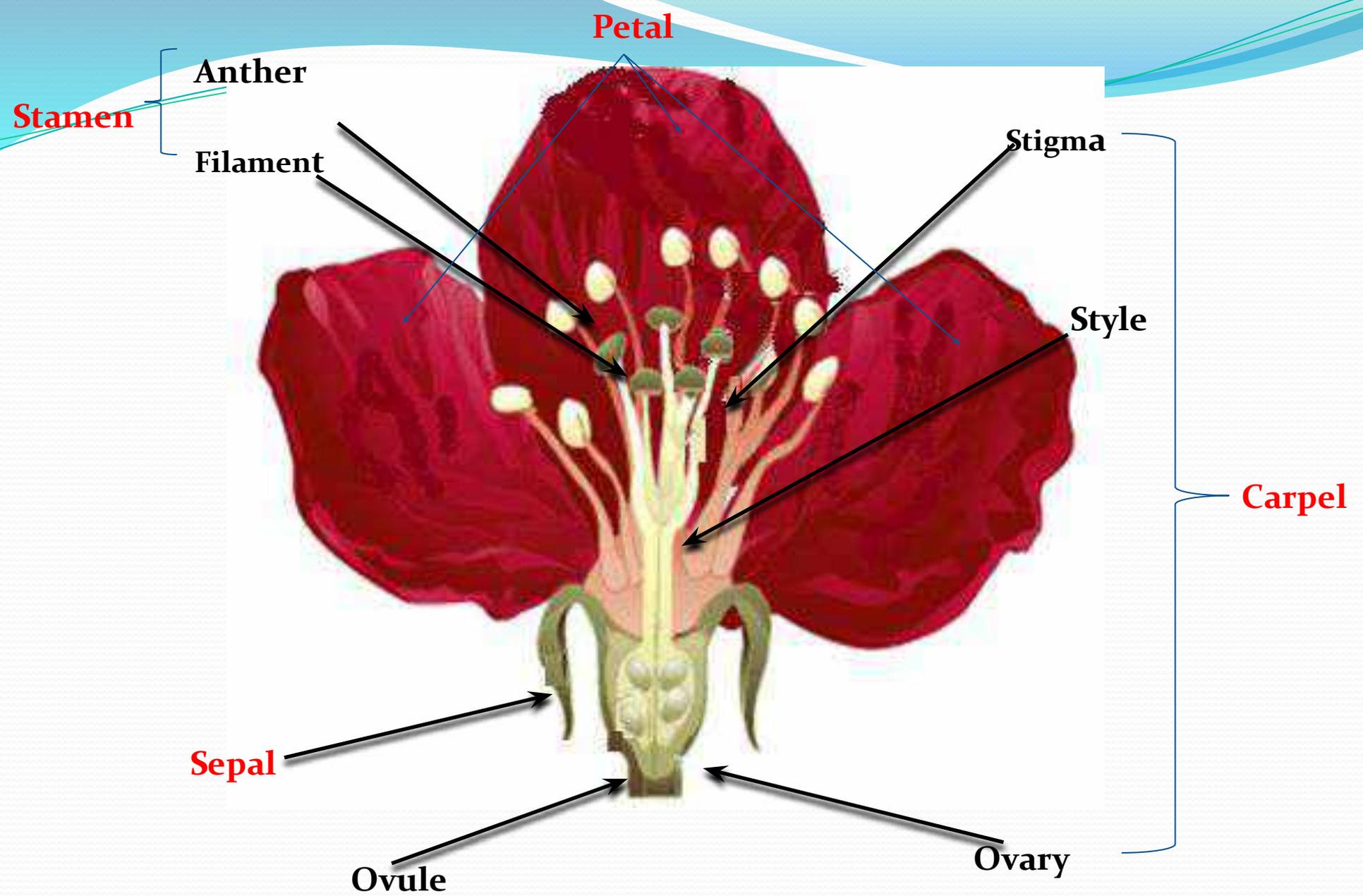
ning can be tested as, (1) What is Precipitation? (2) Explain storage? (3) Describe about evaporation? (4) What does you mean by Transpiration? (5) Explain Condensation.

Parts of Flower

Let us make easy to learn
parts of flowers .(6,7,8,9,10 classes)

The Flower is formed by the sepals, the petals, one or two circles of pollen-producing stamens (inside the petals), and the carpals, which are the innermost parts of the flower





Lets describe all parts of flowers

Students and teacher can learn easily inside and outside the classroom about parts of various flowers and can apply this knowledge in his/her life and will become capable to remember parts of flowers throughout life.

Thanks

National ICT award for teachers-2016 To Mr Narender Singh Jambal





**2017-20, O/o Dy Dir Ely. Edu. Mandi as
DY DEO and also act as DDEE Mandi**



Use of ICT during covid-19

1. In on line teaching learning, Her Ghar Pathshalla class 1st to 8th.

2.

On Line MDM distribution for 66000 children at their native place.

2020 to date as Principal GSSS Mahun Nag, Karsog, Mandi,HP

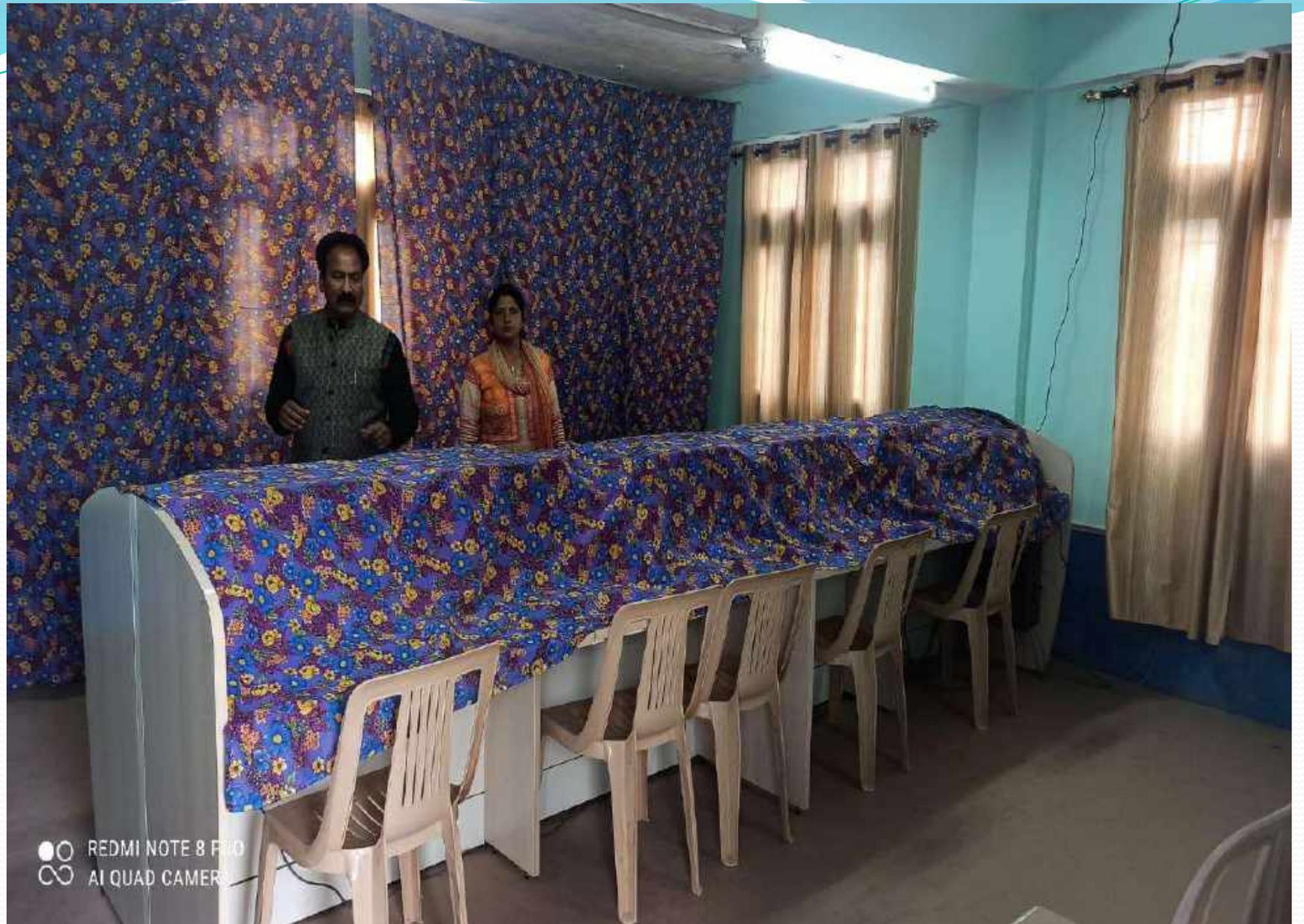






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○ ○ AI QUAD CAMERA











REDMI NOTE 8 PRO
AI QUAD CAMERA

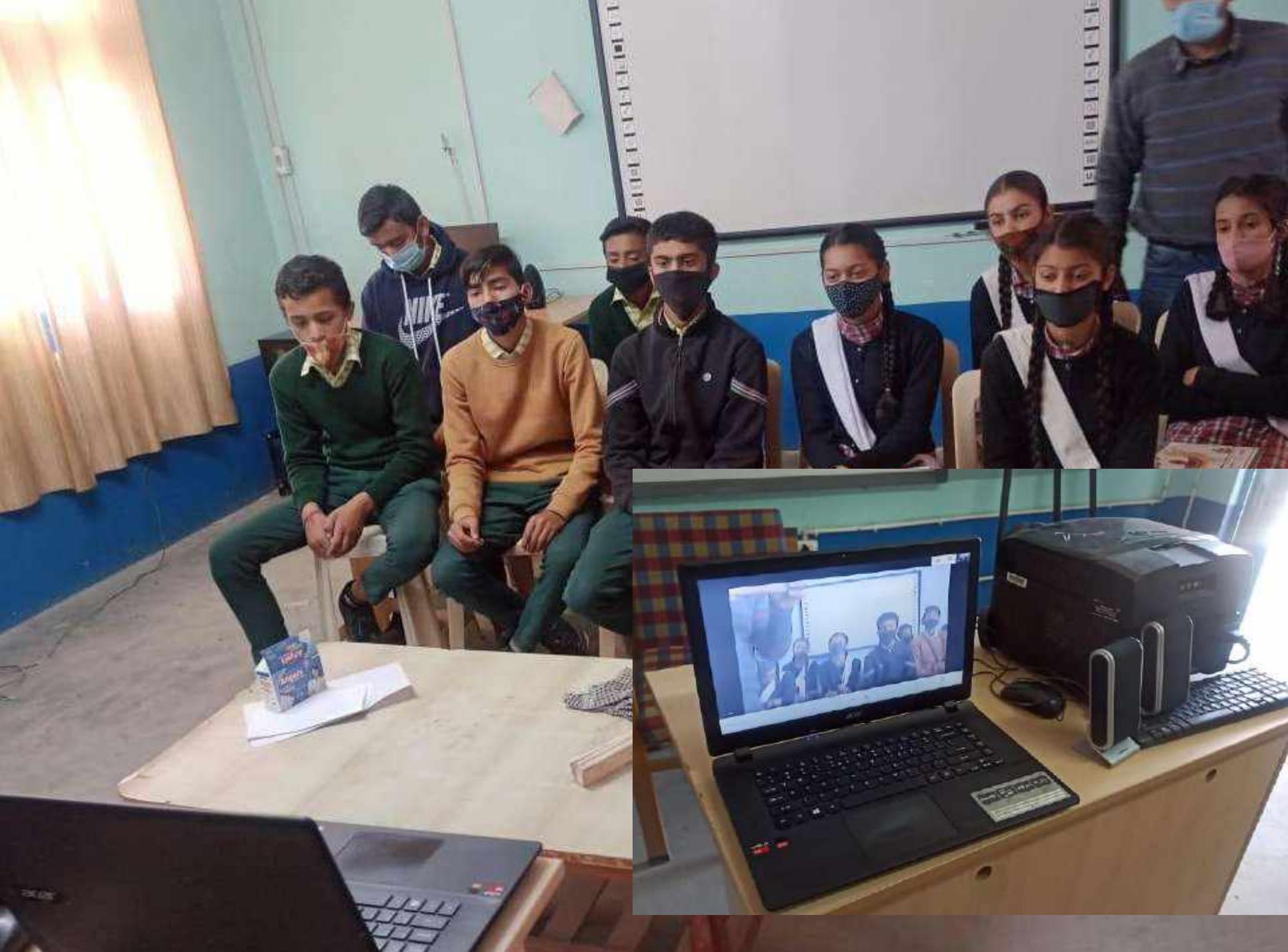


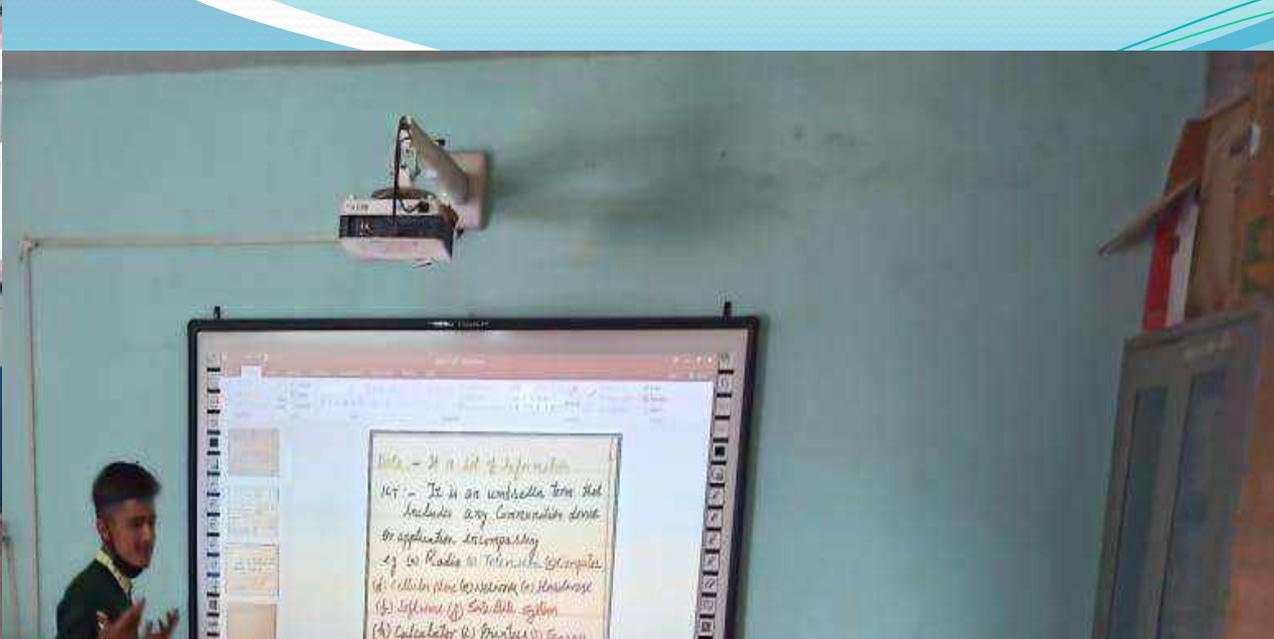




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AI QUAD CAMERA







असफलता से निराश न हो, सफलता से फूल न जाओ, जीवन शैली ऐसी अपनाओ, हर क्षण में सफलता पाओ

विद्यया ऽमृतमश्नुते
नई राष्ट्रीय शिक्षा नीति-2020
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प्रवक्ता





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- Become **First Principal** of HP, won this award.



Let us **start** to learn by the use of
ICT and become

SMART.

Narender.

Thanks , The End for new beginning

