
MY JOURNEY AS AN IOT AWARDEE

With my students

Neeraj Punia

My Schooling at Jagraon



1988: Higher Secondary : Adarsh Kanya Vidyalaya, Jagraon, Punjab



1995: Post Graduate : Govt. College of Science Education and Research, Jagraon, Punjab

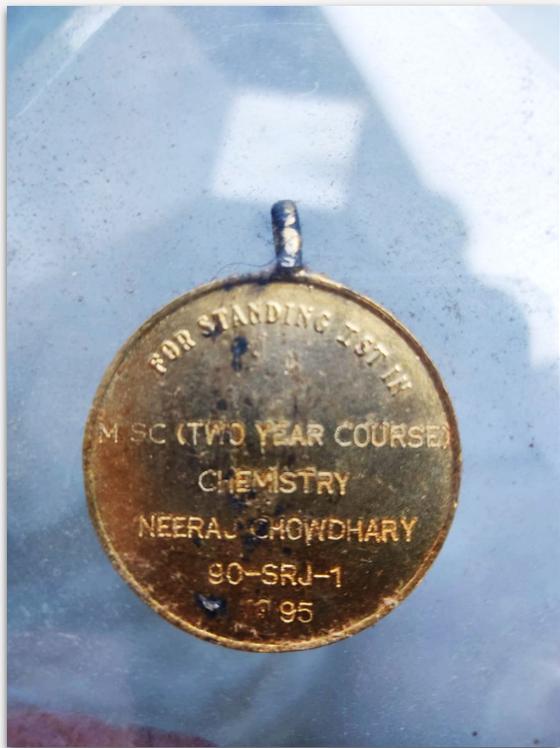


PUNJAB
UNIVERSITY
TOPPER

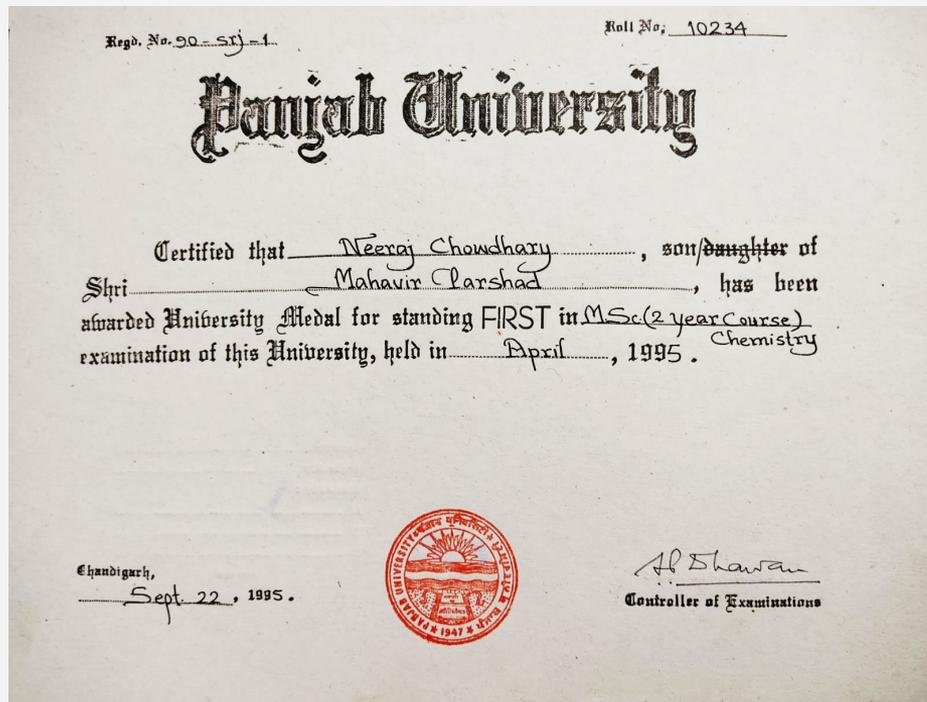
S.GOV'T. COLLEGE OF SCIENCE EDUCATION AND RESEARCH JAGRAON (LUDHIANA)
M.Sc CHEMISTRY
PANJAB UNIVERSITY MERIT HOLDERS

S.No	YEAR	NAME OF STUDENT	MARKS	University Merit Position
1	1986	USHA CHAWLA	1382	GOLD MEDALIST
2	1987	MANJINDER SINGH	1259	..
3	1988	JYOTSANA VERMA	1339	..
4	1989	SUNITA KHULLAR	1368	..
5	1990	MANISH MANIK	1453	..
6	1991	MONICA VERMA	1278	..
7	1992	PARMINDER KAUR	1350	..
8	1993	AJMANPREET KAUR	1373	..
9	1994	YOGITA CHAWLA	1370	..
10	1995	NEERAJ CHOWDARY	1506	..
11	1996	MILLANDEEP	1360	..
12	1997	MINAKSHI BHONAT	1495	..
13	1998	PRABJOT KAUR	1381	..
14	1999	BABITA	1458	..
15	2000	GURPREET KAUR	1598	..
16	2001	NISHA KAURA	1645	..
17	2002	ATUL KUMAR	1551	..
18	2003	NAVNEET KAUR	1481	..
19	2004	SURESHTA KUMARI	1638	..
20	2005	RAMNEET KAUR	1612	..
21	2006	ANURADHA SHARMA	1670	..
22	2007	PARMINDER SINGH	1619	..
23	2008	NAVNEET KAUR	1679	..

Gold Medal



Certificate



2007 : Joined D.A.V Public School, Sector-14, Gurugram



2011: Workshop on use of ICT TOOLS in Teaching Learning



 Best wishes for your presentations. Pls see all wiki pages are complete.

Click here to start Workshop on ICT implementation at DAV Gurgaon	21-02-11 to 26-02-11
Visit participants pages->	List of participant teachers
Fill the page entries.... Self Assessment by the teacher	Teachers started blogging... Teachers Blogs
Write your Feedback... Feedback	<ul style="list-style-type: none">• neerajpunia (you) now
 21-02-11	 22-02-11

Conducted first session as a resource person

<http://davitclassgroup4.pbworks.com/w/page/40107255/FrontPage>

davitclassgroup4 Get a

Wiki Pages & Files

1 If you are citizen of an European Union member nation, you may not use this service unless you are at least 16 years old.
 2 Work with all your cloud files (Drive, Dropbox, and Slack and Gmail attachments) and documents (Google Docs, Sheets, and Notion) in one place. [Try Dokkit](#) (from the makers of PBworks) for free. Now available on the web, Mac, Windows, and as a Chrome extension!

VIEW

FrontPage

last edited by [neerajpunia](#) 2 years, 6 months ago Page history



[me](#)

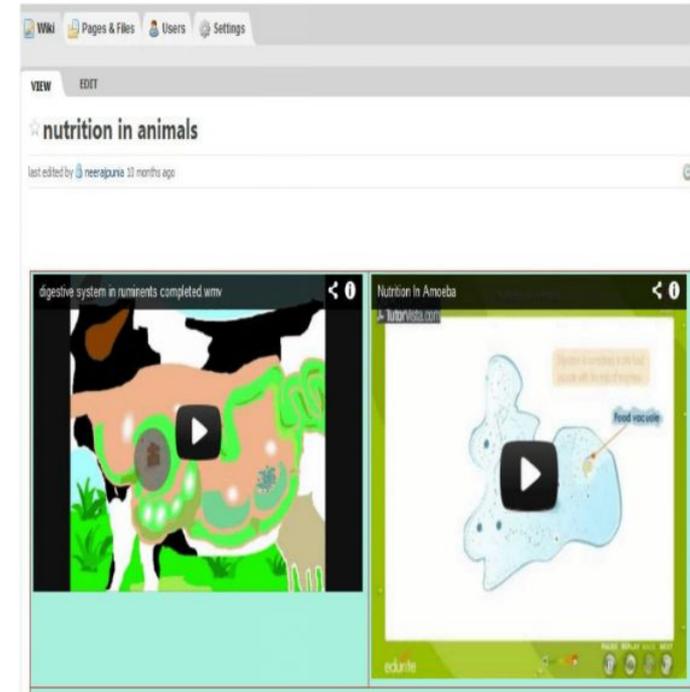
S.NO.	NAMES	E-MAIL ADDRESSES	subject teaching	LINKS
1	CHARU MAINI	charu_maini@rediffmail.com	chemistry	
2.	NEERAJ PUNIA	neeraj_punia1974@yahoo.com	physics/chemistry	
3.	REKHA DHILLON	rekharuby@yahoo.com	general science	
4	meeta samanta		maths,science	meeta samanta
5	debasmita		english	debasmita
6	kanchan shaktawat	yogisingh@hotmail.com	english,sst	kanchan shaktawat
7	Ruchira Ahlawadi	ruchira@ahlawadi.com	all subjects	Ruchira Ahlawadi
8	Shallu Kharyal	shalukharyal@gmail.com	all Subjects	shallu kharyal
9	Manju Saini	manjusainip@yahoo.in	Chemistry	MANJU SAINI
10	Pooja Kalra	bhalla.pooja07@gmail.com	science	Pooja Kalra
11.	Monika dagar	mrsdagar@gmail.com	chemistry	monika dagar
12	Deepa Sharma	deepa2006.sharma@gmail.com	maths,science	deepa sharma
13	GEETA KANWAR	geetakanwar@gmail.com	all subjects	gk
14	Chalini Das	chalini.das@gmail.com	all subjects	chalini

Embedded Mind Maps, Presentations, Videos in Workspaces

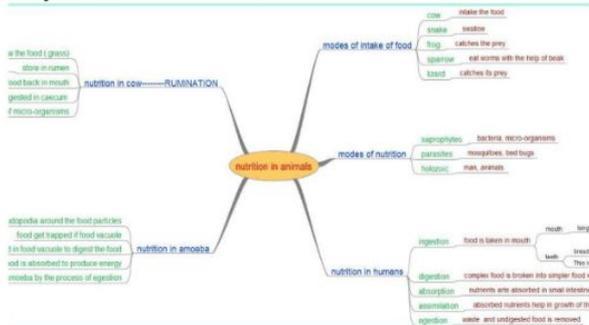
Presentations and Slide Shows embedded on WIKI:



Video Embedded on the WIKI:



Mind Map on WIKI:





Embedded Comic strip

by neerajpunia1974



Students' work

UPLOAD YOUR PRESENTATION ACCORDING TO TOPIC ALLOTTED

GROUP NUMBERS	PRESENTATIONS
GROUP-1 SUBLIMATION MONITOR- AKSHITA AKSHITA, HIMANGI, SOUMYA , SHIKHA , SARTHAK , AMOL	TOPIC- sublimation project.pptx
GROUP-2 SIMPLE DISTILLATION MONITOR- SAHIL SAHIL, ADITYA , PRANJAL, HARDIK, PIYUSH, ANANT	TOPIC- http://mpchemistry9.pbworks.com/w/file/54552760/distillation%20%281%29.ppt
GROUP 3 CRYSTALLIZATION MONITOR- JAYA JAYA, HIMANI, LISHA, ISHEETA L., ISHITA M. , DHRITI	TOPIC- crystallization.ppt isheeta crystallisation.pptx
GROUP-4 EVAPORATION MONITOR- PRATYUSH PRATYUSH, RITVIK, AAROHAN, SASHANK , KUSHAL, SASWAT	TOPIC- Evaporation Group 4 .IX A Evaporation.pptx
GROUP-5 FRACTIONAL DISTILLATION MONITOR- AAKASH AAKASH, ISHAN, SHUBHANG, TUSHAR, APOORV, GAURAV	TOPIC- Fractional Distillation group-5.pptx
GROUP-6 CHROMATOGRAPHY MONITOR- DIVYA DIVYA, KIRTI , GAYATRI, PRACHI , SONAL, JAHNVI	TOPIC- 9A chromatography.pptx
GROUP-7 ALL SUB TOPIC MONITOR- GARGI GARGI, CHARU, MAHIMA, SOHINI, PARUL , REYANA, SHUBHAVI	TOPIC- main.ppt.pptx

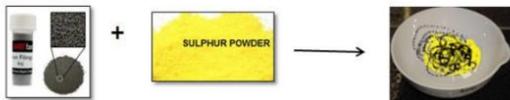
8A 8-A Group-7.pptx group5,what is PET-(video).3gp CLASS=8-A GROUP NO.6.pptx group 1 viii a.pptx 8A -group 4 (final).pptx GROUP-3 VIII A.pptx VIII-A GROUP-5 PET.pptx	rayon.pptx acrylic fibre.pptx Acrylic Fiber2.ppt Rayon Fiber.pptx p.e.t pc f.a.pptx 8A.pptx
8D 8d group-4ppt.pptx group-9 VIII-D , pc FA.pptx group no.7 class-viiiD roll no. 39 name- vanshika goel.pptx group6-acrylon-8D.pptx group-2,8-d.pptx 8D Nylon (Gr-3).ppt group no. 1 class viii-d fa4.pptx	
8F GROUP-3 VIII-F.pptx VIII-F GROUP-4.pptx Group-5,VIII-F,P.E.T..pptm VIII-F GROUP-6.pptx VIII-F PRESENTED BY- GROUP 2.pptx	VIII-F PRESENTED BY- GROUP 2(1).pptx

Interactive Worksheets

WORKSHEET-1

CLASS-IX (CHEMISTRY)

MIX (in any proportion) IRON FILINGS AND SULPHUR POWDER (MIXTURE)



S.NO.	ACTIVITIES	OBSERVATIONS	INFERENCE
1.	 Put a magnet in prepared - MIXTURE		
2.	Take some amount of MIXTURE & Add some carbon disulphide liquid to MIXTURE .	_____ dissolved.	gets It shows the property of element_____.
3.	Filter the above prepared mixture	_____get separated.	It shows the property of element_____.
4(a)	Take some amount of MIXTURE & Add dilute sulphuric acid to MIXTURE	Bubbles are formed	May be _____ gas is produced.*
4(b)	To testing the gas		
5.	 Observe the MIXTURE with magnifying glass.		

*Remind the reaction of metals with acids.

WORKSHEET-1 CLASS-VIII TOPIC: METALS & NON METALS SUB: SCIENCE (CHEMISTRY)

ACTIVITY: To OBSERVE THE PHYSICAL PROPERTIES AND CHEMICAL PROPERTIES OF GIVEN OBJECTS.

TEACHER'S INSTRUCTIONS: Following worksheets were given to the students to note their observations about the properties of given object and leave the last column of tables blank. Do not give the strip which is mentioning metals and nonmetals.

Record your observations putting \checkmark or \times in the following table:

S. NO	OBJECT	CAN BE BEATEN INTO THIN SHEETS/WIRES	LUSTROUS	HARDNESS	SONOROUS	CONDUCTOR	INFERENCE
1.	ALUMINIUM FOIL						
2.	IRON NAIL						
3.	COAL (CARBON)						
4.	SULPHUR						
5.	COPPER WIRE						
6.	IODINE						

Note: all the above mentioned properties are physical properties of metal/nonmetal.

S.NO.	OBJECT	REACTION WITH WATER	REACTION WITH DILUTE ACID	INFERENCE(WRITE REACTION)
1.	ALUMINIUM FOIL/ZINC/MAGNESIUM RIBBON			
2.	IRON NAIL			
3.	COAL (CARBON)			
4.	SULPHUR			
5.	COPPER WIRE			
6.	IODINE			

Note: all the above mentioned properties are chemical properties of metal/nonmetal.

After performing the activities give the strip and now ask the students to fill last column of inference. The teacher will help the students to enable them writing chemical reactions.

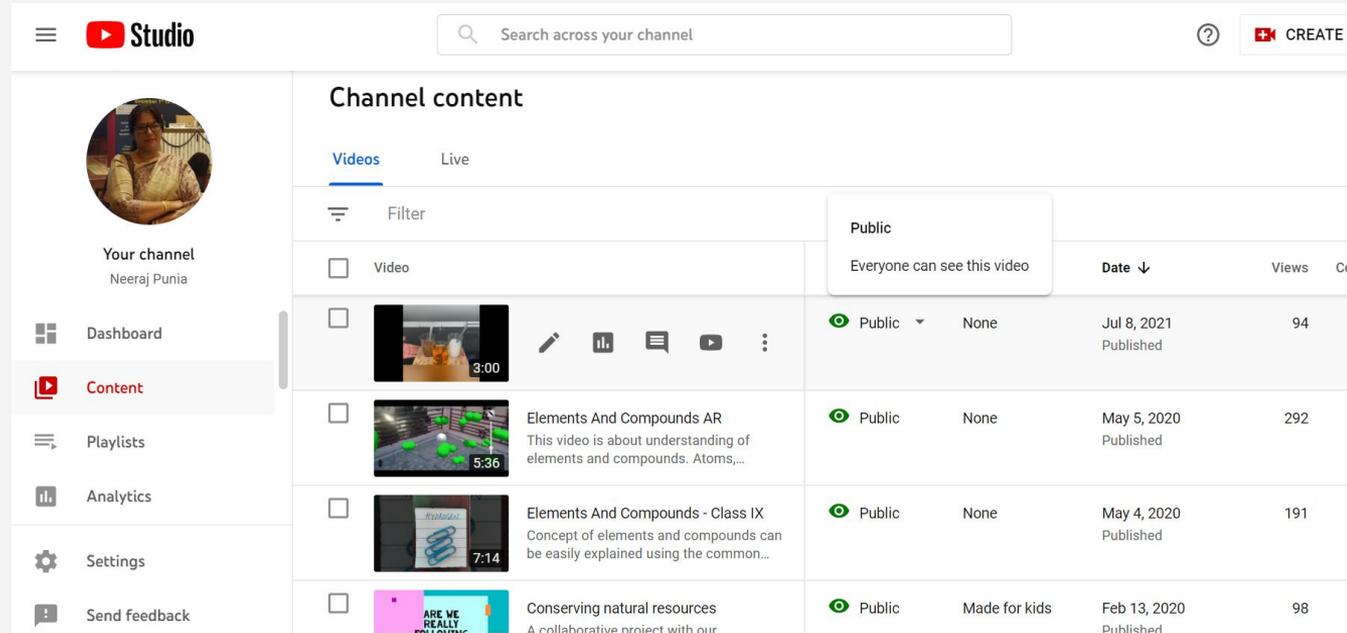
- ❖ If the object is showing all the properties then it is -----metal
- ❖ If the object is not showing all the properties then it is ----- non-metal

WORKSHEET-7 CLASS-VII TOPIC: HEAT

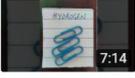
S.NO.	<u>TO COMPARE</u>	<u>CLINICAL THERMOMETER</u>	<u>LABORATORY THERMOMETER</u>
1.	LENGTH		
2.	RANGE OF TEMPERATURE THAT CAN BE MEASURED		
3.	COLOUR OF THE LIQUID INSIDE THE BULB		
4.	MATERIAL IT IS MADE OF		
5.	UNIT OF TEMPERATURE		
6.	TEMPERATURE DIFFERENCE INDICATED BETWEEN TWO BIGGER MARKS		
7.	NUMBER OF SMALL DIVISIONS BETWEEN TWO BIG MARKS		
8.	<u>ANY OTHER</u>		

Created Videos: YouTube Channel

<https://www.youtube.com/channel/UC1IQjbBjDcodhaFA YiBGqAw>



The screenshot shows the YouTube Studio interface for a channel named 'Neeraj Punia'. The 'Channel content' section is active, displaying a list of videos. A 'Public' dropdown menu is open, showing the option 'Everyone can see this video'. The video list includes:

<input type="checkbox"/>	Video	Public	None	Date ↓	Views	Co
<input type="checkbox"/>	 3:00	<input checked="" type="radio"/>	<input type="radio"/>	Jul 8, 2021 Published	94	
<input type="checkbox"/>	 5:36 Elements And Compounds AR This video is about understanding of elements and compounds. Atoms,...	<input checked="" type="radio"/>	<input type="radio"/>	May 5, 2020 Published	292	
<input type="checkbox"/>	 7:14 Elements And Compounds - Class IX Concept of elements and compounds can be easily explained using the common...	<input checked="" type="radio"/>	<input type="radio"/>	May 4, 2020 Published	191	
<input type="checkbox"/>	 ARE WE REALLY... Conserving natural resources A collaborative project with our	<input checked="" type="radio"/>	<input type="radio"/>	Feb 13, 2020 Published	98	

Quiz, Mind-Maps

**D.A.V PUBLIC SCHOOL
CLASS-VII
SUBJECT - SCIENCE**

Across

- bases which can be dissolved in water
- changes blue litmus to red
- strong acid
- strong acid & weak bases reacting together to give it
- indicator used to test the nature of substance

Down

- strong bases
- changes red litmus to blue
- strong base & weak acid reacting together to give it
- acid & bases react to give it

**D.A.V.PUBLIC SCHOOL SEC-14 GURGAON
SOLVE THE CROSSWORD PUZZLE**

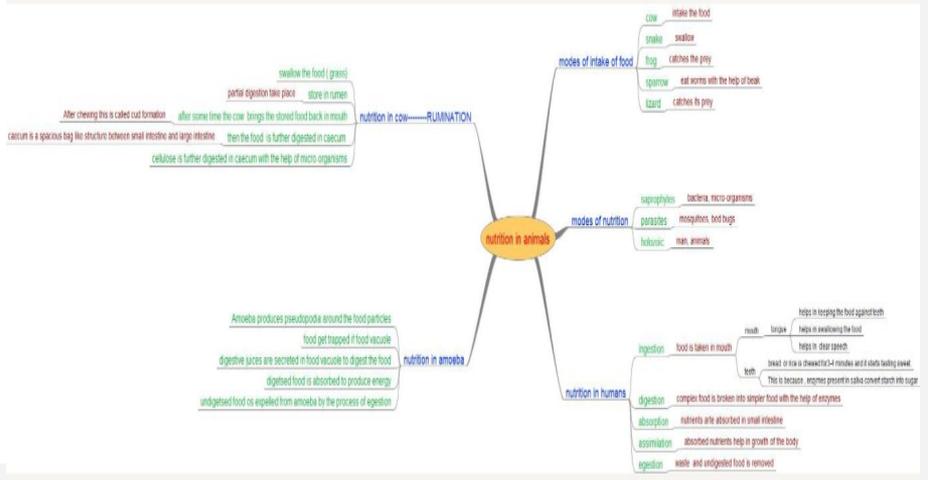
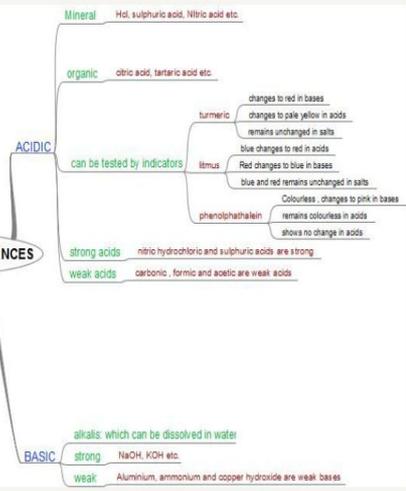
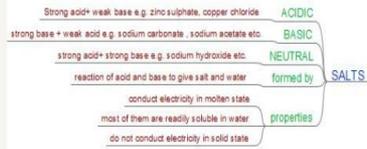
SUBJECT-SCIENCE
CLASS-VII

Across

- After fertilization ovary grow into _____
- Fusion of male gamete and female gamete is called _____
- vegetative propagation from leaves take place in _____
- Reduced stem with layered fleshy scale leaves _____
- The agent which carry the pollen grains from anther to stigma _____
- A process of reproduction by formation of budding _____

Down

- flowers containing only pistil are also known as _____
- Short,vertical,swollen underground stem that serve as storage organ _____
- Urena seeds are dispersed by the help of _____
- This is a reproductive part of plant _____



Sharing photographs on workspace

STUDENTS' EXPERIMENTING



DSC01281.JPG



DSC01281.JPG



DSC01293.JPG



DSC01299.JPG



DSC01308.JPG



DSC01319.JPG



DSC01320.JPG



DSC01328.JPG



DSC01331.JPG



DSC01332.JPG



DSC07353 - Copy.JPG



DSC07354.JPG



DSC07357 - Copy.JPG



DSC07358 - Copy.JPG



dsc010301600d12001600d1200_s.jpg



dsc010311600d12001600d1200_s.jpg



measuring temperature.JPG



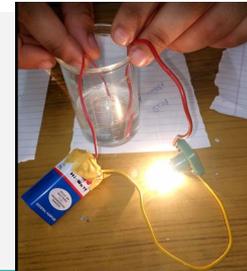
Photo0486.jpg



Photo0630.jpg



Photo0631.jpg



Online Project on Synthetic Fibers: FRIENDS OR FOES

[Synthetic Fibers : friends or foes](#)

[1.Launching the project](#)

[2.Oh! Is this really happening?](#)

[3.These are the synthetic fibers.....](#)

[4\(a\).Types of Synthetic Fibers](#)

[4\(b\)Types of synthetic fibers \(continued....\)](#)

[5. \(a\) People aware of pros and cons of these](#)

[5. \(b\)Survey \(Ctinued.....\)](#)

[6. What do you think?](#)

[7. An Interview](#)

[8.Major Problems](#)

[9.Steps to solve the problems](#)

[10.The beginning---](#)

[11.Our Efforts](#)

[bibliography](#)

[Special Thanks](#)

Synthetic Fibers : friends or foes

About

- *This project will bring the responsiveness among the students to protect the environment by just a start from home.If they cannot stop ,they can minimize the use of synthetic fibers as Numerous non-biodegradable substances are the raw materials for these synthetic fibers.
- *During the project the students will visit any Textile Mill to interview the owner . The student will question about the decomposition of waste products.
- * During the project the students will do survey in their neighbourhood -What is ratio of using natural fibers verses synthetic fibers.
- *Students work will be evaluated on the basis of curriculum goals, learning standard covered
- * Time to time assessment will be taken for their evaluations.
- * This project will generate awareness among the students about the merits and demerits of synthetic fibers.

The project's essential problem, question or issue:

- *Increased use of non-biodegradable products to manufacture synthetic fibers. *Are we overlooking the use and the benefits of natural fibers?

Timeline: 14 Sep, 2011 - 25 Apr, 2012

Students in front of their display board:

12 Jan, 2012

Our Team :-

ADITYA K Editor: Gargi N



The Caretakers of Environment
(L-R)Tushar,Aditya,Renesa,Gargi,Tanya
(Down)Sarthak

Our Team

Survey conducted and its Analysis

Students conducted the survey in their neighborhood during the project

The screenshot shows a project page on a learning management system. The top navigation bar includes 'My Home', 'My School', 'World', 'Competition', 'Library', and 'Help'. The left sidebar contains various project management tools like 'Synthetic Fibers : friends or foes', 'Calendar', 'Members: 7', 'Settings', 'Pages & Instructions', 'Send a Message to Members', and 'Download Project'. The main content area displays a survey titled '5. (b) Survey (Continued.....)' with a 'PICTURE GALLERY' section. The gallery contains three images of people, likely participants in the survey. Below the gallery are navigation controls like 'Move', 'Delete', and 'Edit'.

Students analyzed the data collected during the survey

The screenshot shows a data analysis page with two 3D pie charts. The first chart is titled 'Do people know the advantages and disadvantages of synthetic fibres and natural fibres??' and is attributed to ADITYA K. The chart shows a large blue slice and a smaller red slice. Below the chart, the text reads 'well half of the population weren't aware of synthetics they used'. The second chart is titled 'Bags used by people while shopping' and is also attributed to ADITYA K. This chart shows a large red slice and a smaller blue slice. Below the chart, the text reads 'jute bags were used by most people'. Both charts have navigation controls like 'Move', 'Delete', and 'Edit'.

11.Our Efforts

5 Feb, 2012

RAYON SPEAKS.....

File Type: XML Document: 1.03 M

[Download File](#)

5 Feb, 2012

ITS ALL ABOUT NYLON!!

File Type: XML Document: 1.59 M

[Download File](#)

17 Feb, 2012

A PEEK ON TERYLENE

**Prepared Presentations
on different synthetic
fibers (explaining their
harmful effects to
environment) and
uploaded on Think
Quest**

Interview

1 Mar, 2012

Video of Interview by Sarthak

<http://www.youtube.com/watch?v=QiLoJB3rm2c&feature=youtu.be>

Interview regarding synthetic fibre.

6 Feb, 2012

Interview

Mr. Anoop sharma who works at Picanol was interviewed and his views about the issue were recorded.

Special Thanks

24 Jan, 2012

Our heartiest thanks to.....

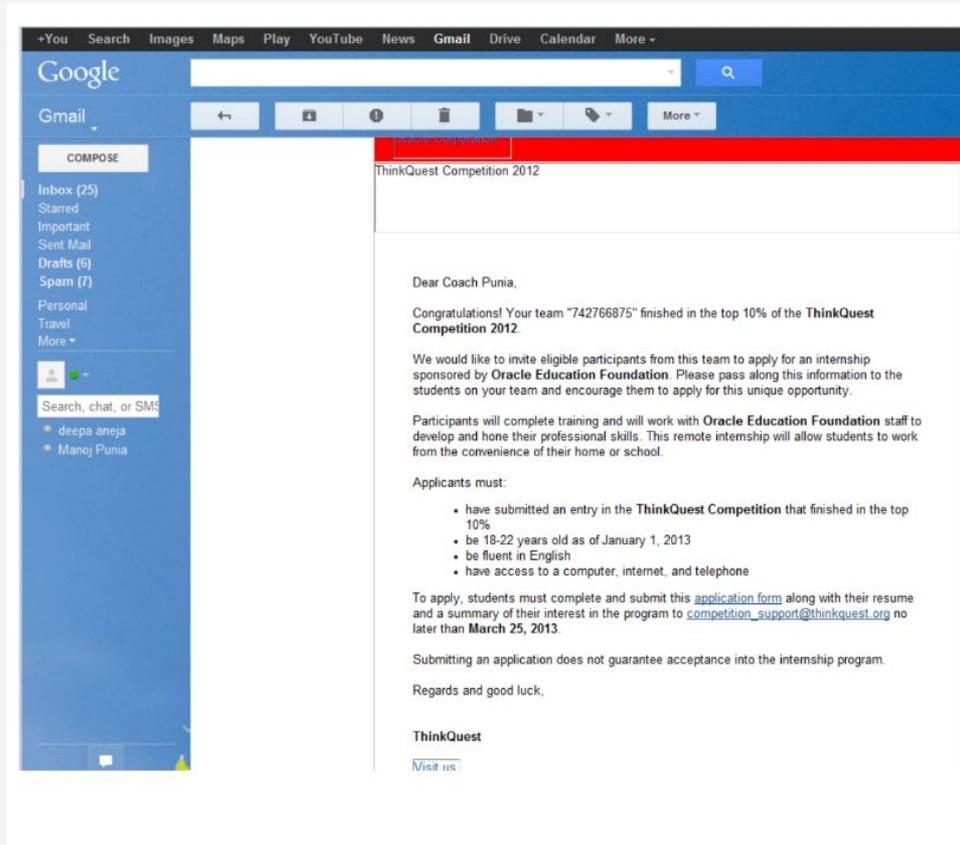
- THINK QUEST for giving us a platform to utilize our talents to the fullest.
- Our coach, Ms. NEERAJ PUNIA, to guide and assist us on every step.
- Our PARENTS, for encouraging and helping us.
- Mr. ANOOP SHARMA, for sharing his valuable time with our group member, Sarthak.
- SOUMYA SHARMA, our classmate, for taking the video

Turning point

International
project on
Synthetic fibers

:Friend or Foe

Among Top
Ten percent



The screenshot shows a Gmail interface with a blue header and a left sidebar. The main content area displays an email from ThinkQuest. The email subject is "ThinkQuest Competition 2012". The body of the email is as follows:

Dear Coach Punia,

Congratulations! Your team "742766875" finished in the top 10% of the **ThinkQuest Competition 2012**.

We would like to invite eligible participants from this team to apply for an internship sponsored by **Oracle Education Foundation**. Please pass along this information to the students on your team and encourage them to apply for this unique opportunity.

Participants will complete training and will work with **Oracle Education Foundation** staff to develop and hone their professional skills. This remote internship will allow students to work from the convenience of their home or school.

Applicants must:

- have submitted an entry in the **ThinkQuest Competition** that finished in the top 10%
- be 18-22 years old as of January 1, 2013
- be fluent in English
- have access to a computer, internet, and telephone

To apply, students must complete and submit this [application form](#) along with their resume and a summary of their interest in the program to competition_support@thinkquest.org no later than **March 25, 2013**.

Submitting an application does not guarantee acceptance into the internship program.

Regards and good luck,

ThinkQuest
[Visit us](#)

सितंबर, २०१४

संसाधन विकास मंत्रालय
शिक्षा और साक्षरता विभाग
भारत सरकार

10 TEACHERS - 2013

5 September, 2014

Ministry of Human Resource Development
Department of School Education & Literacy
Government of India





5 September 2014

Ministry of Human Resource Development
Department of Technical Education
Government of India

PRESIDENT OF INDIAN



Medal and Certificate



विद्यालयी शिक्षकों हेतु राष्ट्रीय आईसीटी पुरस्कार National ICT Award for School Teachers 2010 - 2015

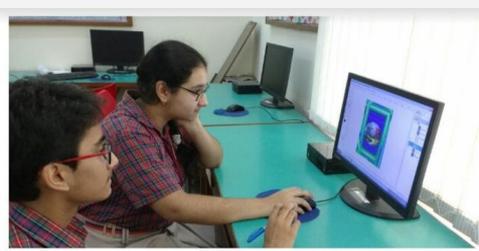
6. Mrs. Neeraj Punia - CBSE

The teacher uses technology actively in teaching of Science. Beginning with projects on ThinkQuest, the teacher has leveraged a variety of ICT applications to enhance students' participation and learning. She also focussed on developing research and documentation skills in young children.

Citation Booklet



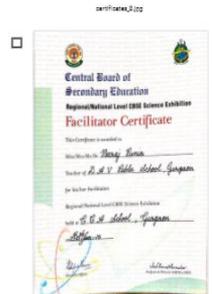
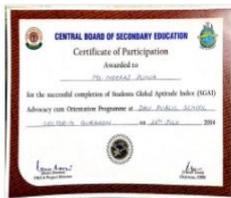
Co-ordinated the project in which the students have to do research work on pollution level internationally.



With my students



Certificates



DISTRICT LEVEL SCIENCE EXHIBITION 2015-16

UNDER



INNOVATION IN SCIENCE PURSUIT FOR INSPIRED RESEARCH

PARTICIPATION CERTIFICATE (Teacher)

This is to certify that Neeraj Punia
of D.A.V. Public School, Middle/High/Sr. Sec. School, Sector 14
Distt. Gurgaon participated in the District level science exhibition under INSPIRE field
at Salwan Public School From 7-9-2016 to 8-9-2016

Smita Arora
District Science
Specialist

Neeraj Punia
Principal
Salwan Public School
Sector-15, Part-II Gurgaon

Neeraj Punia
District Education
Officer Gurgaon

No.F.6-13/2016-17/DESM

DEPARTMENT OF EDUCATION IN SCIENCE AND MATHEMATICS

02nd September, 2016

CERTIFICATE

Certified that Ms. Neeraj Punia, TGT Chemistry, D.A.V. Public School, Sec - 14, Gurgaon attended the programme entitled "Development of e-Resources in Science at Upper Primary Stage" as a resource person. The Programme was held from 29.08.2016 to 02.09.2016. She attended the programme from 29.08.2016 to 30.08.2016 & 01.09.2016 to 02.09.2016. The programme was conducted at DESM, NCERT NIE Campus, New Delhi-110016.

Ruchi Verma
(Dr. Ruchi Verma)
Prog. Coordinator

A.K. Wazalwar
(Prof A.K.Wazalwar)
Professor & Head



Central Board of Secondary Education

Regional/National Level CBSE Science Exhibition Facilitator Certificate

This Certificate is awarded to

Miss/Mrs/Mr/Dr Neeraj Punia

Teacher of D A V Public School, Gurgaon

for his/her Facilitation

Regional/National Level CBSE Science Exhibition

held at C C A School, Gurgaon

on 21-23 Jan 2015

Shilpa Kulkarni
Education Officer

Sudhakar Khanna
Professor & Director (ARTS-I), CBSE

HARYANA STATE LEVEL SCIENCE EXHIBITION-2013

UNDER



INNOVATION IN SCIENCE PURSUIT FOR INSPIRED RESEARCH



2013-2014

PARTICIPATION CERTIFICATE (Teacher)

This is to certify that Ms. Neeraj Punia
of D.A.V. Public School, Middle/High/Sr. Sec. School, Sector - 14
Distt. Gurgaon participated in the State level science exhibition under INSPIRE field
at SCERT Haryana Gurgaon from 09-09-13 to 11-09-13.

D. Sc. Wing
Dy. Director (Sc. Wing)
SCERT Haryana
Gurgaon

Director
Director
SCERT Haryana
Gurgaon



D.A.V. CENTRE FOR ACADEMIC EXCELLENCE

D.A.V. COLLEGE MANAGING COMMITTEE

CHITRA GUPTA ROAD, NEW DELHI - 110055.

This is to certify that Dr./ Mr./Ms./Mrs. NEERAJ PUNIA from [263] D.A.V. PUBLIC SCHOOL, SECTOR-14, GURGAON, GURGAON, HARYANA having registration number 0002544 attended the Capacity Building Programme CAPACITY BUILDING PROGRAMME FOR MASTER TRAINERS IN GENERAL SCIENCE FOR MIDDLE AND SECONDARY LEVEL held on 23/11/2017 to 25/11/2017 at KULACHI HANSRAJ MODEL SCHOOL, PHASE III, ASHOK VIHAR, DELHI

Nisha Keshri
Director
DAVCAE, DAVCMC

Rajinder Singh
Programme Co-ordinator

Conducted four Video conferencing session

Video conferencing, specifically 'Skype Sessions' are the most feasible method to educate the children of remote areas or underprivileged children. It connects people who are very far away together and it is the best way of spreading education.

Under my guidance, 2 students of my school conducted these skype sessions for some underprivileged children



Mentor Teacher in Science Exhibitions

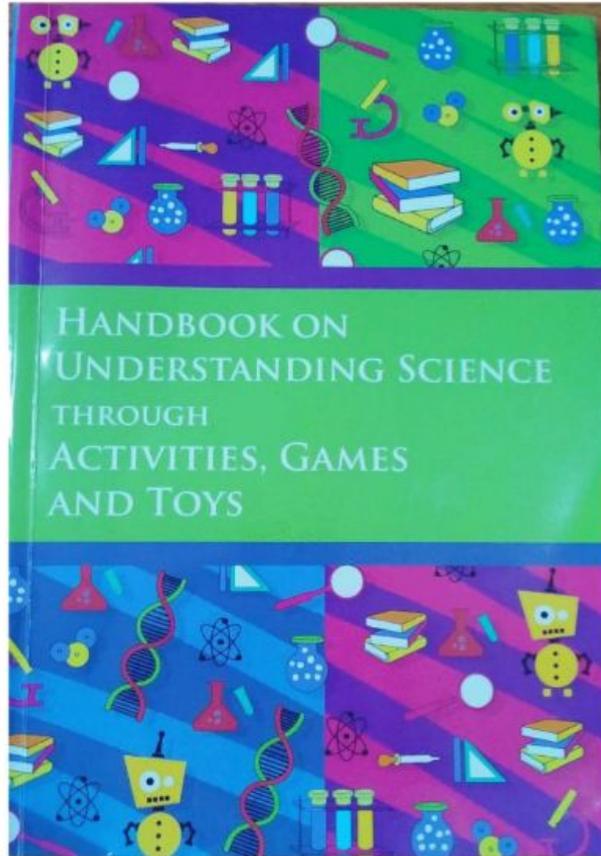
Achievements of the students

<u>Name of the student</u>	<u>Achievement</u>
Yash Punia	Regional level cleared for CBSE Science Exhibition
Rijul Bansal	First in science exhibition held at DPGITM Gurugram
Tavisha Arora	First in science exhibition held at DPGITM Gurugram
Prikshit Rana	First in Environmental Engineers at Manav Rachna International School

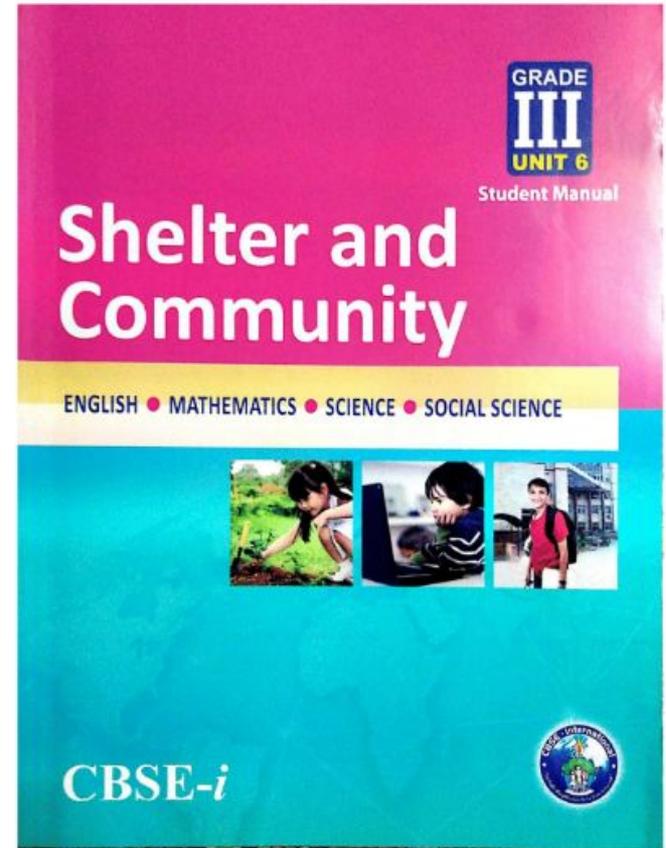


Content Development

Handbook on understanding science through Activities, games and Toys



CURRICULUM DEVELOPMENT- COVER PAGE OF THE TEXT BOOK



Acknowledgment

ACKNOWLEDGMENT

The National Council of Educational Research and Training (NCERT) acknowledges the valuable contribution of the individuals and organisations involved in the development of this handbook on understanding Science through activities, games and toys at the upper primary stage. The Council acknowledges the valuable inputs of Anuradha Ambusta, TGT (Science), South Delhi Public School, Defence Colony, New Delhi; Bheethi, Associate Professor, DEGSN, NCERT, New Delhi; Neeraj Punia, TGT Science, DAV Public School, Gurgaon; Pragya Kataria, TGT (Science), SKV No. 2, Punjabi Bagh, New Delhi; Shalika Mutthu, Language Editor, Trinity Towers, Gurgaon; Samar Kumar Bagchi, Chairperson NCSTS, Kolkata; Sonaleeca Das, TGT Science, JNV Mokukchung, Shillong; Vinay kumar Singh, Professor, DEGSN, NCERT, Delhi.

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Dr Sadhana Parashar, Director (Academics, Research, Training and Innovation), CBSE

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Ms Deepa Puri

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Ms Gunjan Massey

Chief Co-ordinator: Ms Kshirpa Verma, EO

Co-ordinators

(Late) Dr Srijata Das
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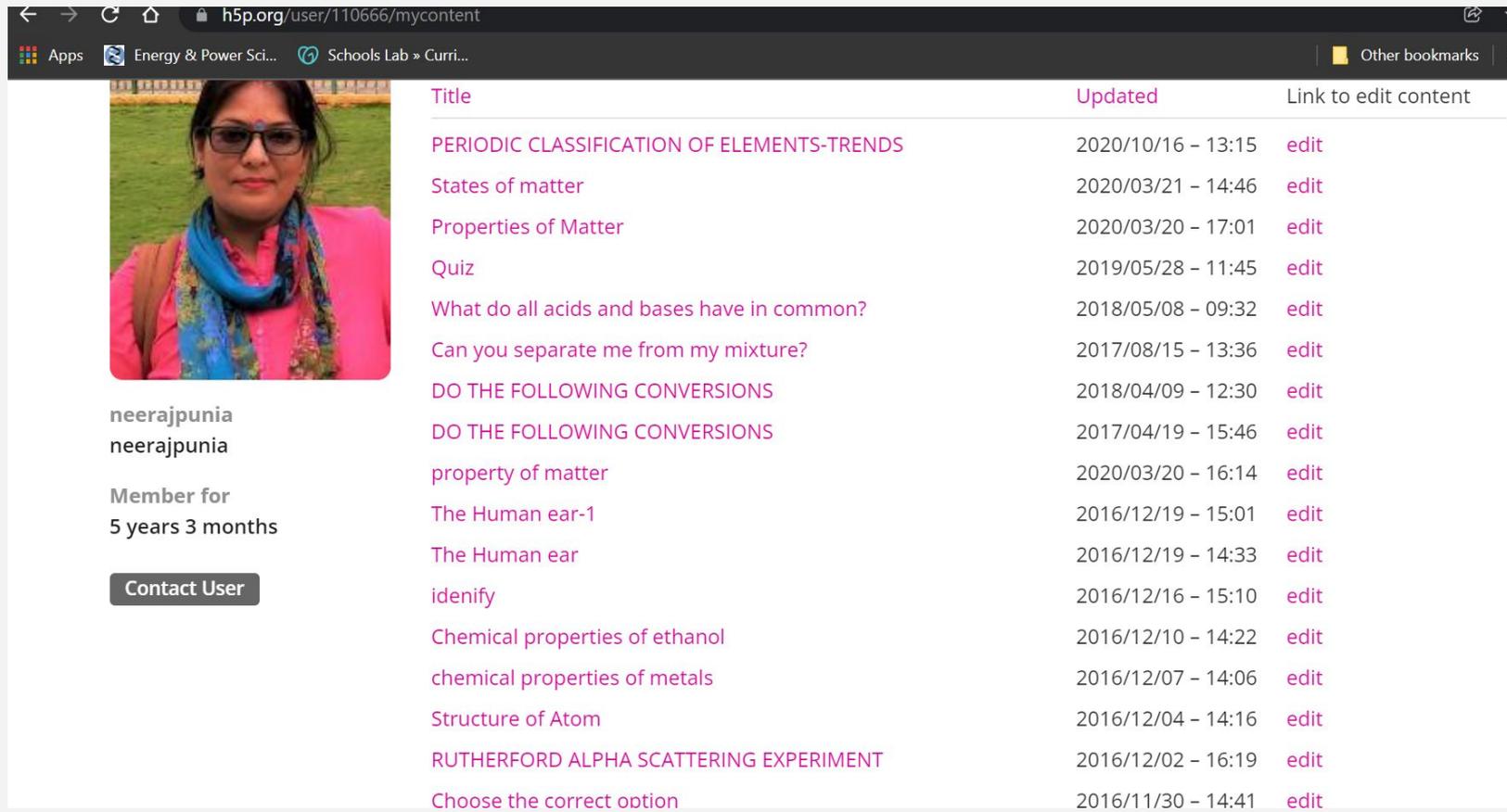
Mr Navin Maini, RO (Tech)

Ms Neha Sharma,
Deputy Director

Playing Games and solving Tarsia Puzzle



Interactive e content on : H5p.org



Title	Updated	Link to edit content
PERIODIC CLASSIFICATION OF ELEMENTS-TRENDS	2020/10/16 – 13:15	edit
States of matter	2020/03/21 – 14:46	edit
Properties of Matter	2020/03/20 – 17:01	edit
Quiz	2019/05/28 – 11:45	edit
What do all acids and bases have in common?	2018/05/08 – 09:32	edit
Can you separate me from my mixture?	2017/08/15 – 13:36	edit
DO THE FOLLOWING CONVERSIONS	2018/04/09 – 12:30	edit
DO THE FOLLOWING CONVERSIONS	2017/04/19 – 15:46	edit
property of matter	2020/03/20 – 16:14	edit
The Human ear-1	2016/12/19 – 15:01	edit
The Human ear	2016/12/19 – 14:33	edit
identify	2016/12/16 – 15:10	edit
Chemical properties of ethanol	2016/12/10 – 14:22	edit
chemical properties of metals	2016/12/07 – 14:06	edit
Structure of Atom	2016/12/04 – 14:16	edit
RUTHERFORD ALPHA SCATTERING EXPERIMENT	2016/12/02 – 16:19	edit
Choose the correct option	2016/11/30 – 14:41	edit

Class IX	
Neeraj Punia	NEERAJ PUNIA
Class IX	RIDHI AGARWAL
Email id	JAY
OTBA	DEV AGGARWAL
	AAKRITI
	AARJAV
	AMAN BATRA
	ARUSHI NAGPAL
	NISHTHA SAPROO
	AARZOO
	SARTHAK

[atom/latest/build-an-atom_en.html](#)

CLICK THE FOLLOWING LINKS AND TAKE A SNAPSHOT OF YOUR RESULT AFTER BUILDING THE ATOM. PASTE THAT SNAPSHOT ON YOUR PAGE:

Date-4.12.16

Today's work- click this link-----

https://h5p.org/node/36497?feed_me=nps

Then again take snapshot of your result and paste on your page.

1. https://h5p.org/node/35377?feed_me=nps

2. https://h5p.org/node/35870?feed_me=nps

3.3 https://h5p.org/node/35876?feed_me=nps

Open in Desktop App

Calibri Light 20

JAY

30 November 2016 19:38

EXCELLENT WORK JAY

THE RESULT FOR THE HTML 5 VIDEO EXPLANATIONS-
As a result of this experiment electrons were discovered.

True False

You got 1 of 1 points

1.A molecule is a smallest particle which can exist

In gas
 In combination
 Independently

You got 1 of 1 points

Class IX	
Neeraj Punia	RIYA
Class IX	Sumeet Das
Email id	SHISHIR
OTBA	UDITANSHU
	LAKSHAY
	GAURI
	AMAN KUMAR
	RUDRANSHI GUPTA
	NISHTHA TREHAN
	Kiran Hooda
	Hrishity
	RISHABH CHHABRA
Add section	Add page

NISHTHA TREHAN

Thursday, December 1, 2016 4:08 PM

EXCELLENT WORK DONE AMAN

1.A molecule is a smallest particle which can exist

Independently In gas In combination

You got 1 of 1 points

WHO DISCOVERED NUCLEUS?

1.A molecule is a smallest particle which can exist

Independently In gas In combination

You got 1 of 1 points

Choose the correct option

Submitted by neerajpunia on Wed, 11/30/2016 - 14:35

1.A molecule is a smallest particle which can exist

In combination
 Independently In gas

You got 1 of 1 points

Fill in the missing words

The alpha particles are bombarded on Gold foil.

You got 1 of 1 points

[Continue](#)

ANSWER THESE

Class IX

Neeraj Punia	NEERAJ PUNIA
Class IX	RIDHI AGARWAL
Email id	JAY
OTBA	DEV AGGARWAL
	AAKRITI
	AARJAV
	AMAN BATRA
	ARUSHI NAGPAL
	NISHTHA SAPROO
	AARZOO
	SARTHAK
	RONIT
	SANSKAR
Add section	Add page

30 November 2016 19:39

EXCELLENT WORK DONE AMAN

1.A molecule is a smallest particle which can exist

Independently In gas In combination

You got 1 of 1 points

WHO DISCOVERED NUCLEUS?

1.A molecule is a smallest particle which can exist

Independently In gas In combination

You got 1 of 1 points

Conducted Workshops

<https://padlet.com/neerajpunia/doudpiblj01>



CAPACITY BUILDING WORKSHOP ON ACTIVITIES IN SCIENCE ON 30.12.2017



THANK YOU GOD



AN UNFORGETTABLE MOMENT



CAPACITY BUILDING PROGRAM



DURING WORKSHOP



MASTER TRAINERS AT DAVPS GURUGRAM



CAPACITY BUILDING WORKSHOP AT DAVPS GURUGRAM



ANOTHER DAY WELCOME AT DAVPS GURUGRAM



ATTENDED INTERNATIONAL FORUM ON USE OF ICT IN EDUCATION



SHOWING REFRACTION THROUGH BOX AND LASER LIGHT

WITH FRIENDS AT CONFERENCE



DISCUSSION WITH TEACHERS DURING WORKSHOP



ANOTHER DAY OF TRAINING



CAPACITY BUILDING



WELCOME OF MASTER TRAINERS



WELCOME AT DAVPS GURUGRAM



BAL VIGYAN MELA



CAPACITY BUILDING WORKSHOP DISCUSSING REPORT CARD FORMAT



CAPACITY BUILDING WORKSHOP ON DISCUSSION OF NEW EXAMINATION PATTERN



DISCUSSION WITH TEACHERS



CAPACITY BUILDING WORKSHOP AT DWARKA



BAL VIGYAN MELA AT DELHI



SHOWCASING MICROSOFT



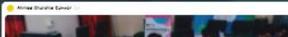
SHOWCASING MICROSOFT TOOLS



CAPACITY BUILDING WORKSHOP AT DWARKA

Collaborative Project

<https://padlet.com/neerajpunia/dyw9c>



Videos of Chemistry Experiments : Padlet

Neeraj punia · 1yr

Chemistry experiments

Class IX Experiments

Neeraj punia 1yr



YouTube

Distinguish between Mixture and Compound - MeitY OLABs

Mixture and compound

12 0

Add comment

Neeraj punia 1yr

EVAPORATION



YouTube

Evaporation Experiment

5 0

Add comment

Neeraj punia 3yr



YouTube

Solution, Suspension and colloids

Solution, suspension and colloid

11 0

Add comment

Neeraj punia 3yr



YouTube

Physical and Chemical Changes

Physical and Chemical changes

9 0

Add comment

Neeraj punia 1yr

EVAPORATION



YouTube

Evaporation Experiment

6 0

Add comment

Neeraj punia 1yr



YouTube

Purification of Copper Sulphate by Crystallization - MeitY OLABs

Crystallisation

11 0

Add comment

Neeraj punia 1yr



YouTube

Simple Distillation - MeitY OLABs

Simple Distillation

10 0

Add comment

Neeraj punia 1yr



YouTube

Fractional Distillation - MeitY OLABs

fractional Distillation

10 0

Add comment

Neeraj punia 1yr



h5p.org

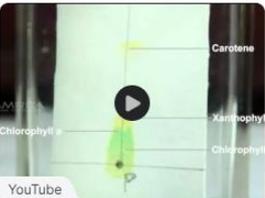
Can you separate me from my mixture?

Separating techniques

10 0

Add comment

Neeraj punia 1yr



YouTube

Separation of Pigments from Leaves by Paper Chromatography - OLABs

Chromatography

11 0

Add comment

Neeraj punia 1yr



YouTube

Separating Funnel - MeitY OLABs

Separating funnel

9 0

Add comment

Zoom Meeting ID: 298-081-963

Chemical properties of metals

reaction started
collect gas evolved
by closing mouth
of test tube

2020-3-26 15:51

Zoom Meeting ID: 511-069-873

Zoom Group Chat

2020-3-30 13:07

Zoom Meeting ID: 511-069-873

INDEPENDENCE DAY CELEBRATION

2020-3-30 13:07

Online Classes

Zoom Meeting ID: 511-069-873

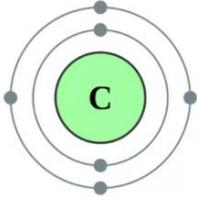
MULTIPLE CHOICE QUESTIONS

- Which of the following is not a physical change?
 - Boiling of water to give steam
 - Melting of ice to give water
 - Dissolution of salt in water
 - Combustion of Liquefied Petroleum Gas (LPG)
- Which of the following is not a chemical change?
 - Change in temperature
 - Evolution of gas
 - Change in colour
 - All of these

2020-3-30 13:07

Students' work during online classes: <https://padlet.com/neerajpunia/acff4cnbj064>

Anonymous 1yr



Haarit Arora IX-F
Name- Haarit Arora
Class- IX-F
Roll no. 6
Atomic number- 6
Element Name- Carbon
Element Symbol- C

According to Octets rule
Electrons per shell=2,4
Valency=+ 4, -4
(Carbon is tetravalent element.)
If Carbon loses electrons, then it is CATION
If it gains electrons , then it is ANION.
Atomic Mass :12u
Location in periodic table : 2 period,14 group, p block

Carbon is a non metal. Carbon is a trivalent element so, carbon forms covalent bond.Covalent bond is defined as bond formed by sharing of electrons present in Valence shell. It exists in two allotropic forms :

- 1) Diamond
- 2) Graphite

Structure of diamond : In this , one Carbon is joined to four carbon atoms .
Structure of Graphite : In this , each Carbon is joined to three other carbon atoms by covalent bond

Uses :
Carbon is used in making ink, paints, Carbon is

Anonymous 1yr



Atomic mass: 4.0026
Electron configuration: 2

My name is Jiya Gulati from 9F.
My roll number is 2.
And hence, my atomic number is 2.
According to Octet's rule, my electronic configuration will be 2.
And my valency will be 0. This is because, the maximum amount of electrons in first shell is 2.
And hence, the atom will neither share electrons nor gain them.
Now since, the first shell has reached the maximum amount of electrons, my atom is neither a cation or an anion but a stable atom.

A similar situation is witnessed in helium atom. It also has an atomic number of 2 and a 0 valency. The symbol of helium is He and it's atomic mass is 4.002602 u.
It has an atomic radius of 31 and finally, it has 2 neutrons.
Helium gas is the first noble gas in the periodic table. It's boiling point is lowest among all the elements.
Here is a diagram of a helium atom.

Anonymous 1yr

ACTIVITY



Anonymous 1yr



Video - 00:22

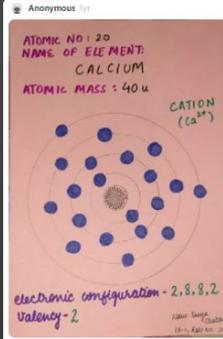
Class - IX B
Roll No. - 2
Atomic Number - 2
Name of element - Helium (He)
Electronic Distribution - 2
Valency - 0
Hence it is a noble gas here is the video of my self made working model of helium atom

Neeraj punia 1yr
VERY GOOD LPI

Anonymous 1yr

DHRUV CHHABRA IX B
ATOMIC NUMBER 4 Beryllium
ATOMIC NUMBER: 4 ELEMENT: BERYLLIUM
SYMBOL: Be ATOMIC MASS: 9.012182 u
ELECTRON DISTRIBUTION: 2,2
VALENCY: +2 THUS IS A CATION.
Beryllium is a chemical element with the symbol Be and atomic number 4. It is a relatively rare element in the universe, usually occurring as a

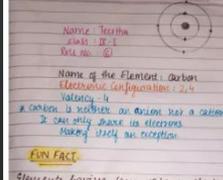
Anonymous 1yr



ATOMIC NO : 20
NAME OF ELEMENT: CALCIUM
ATOMIC MASS : 40 u
ELECTRONIC CONFIGURATION - 2, 8, 8, 2
Valency - 2
Name-Tanya Chutari
Class- IX-I
Roll No-20

Anonymous 1yr

Subject Enrichment Activity



Name: Teertha
class: IX-I
roll no.: 6

Name of the Element: Carbon
Electronic Configuration: 2, 4
Valency: 4
Carbon is neither an anion nor a cation. It can only share its electrons. Hence, it's an exception.

FUN FACT:
Elements having four valence electrons

Anonymous 1yr

shells B
Name- Bhrigu Arora
Class- IX-F
Roll no. 5
Atomic number- 5
Element Name- Boron
Element Symbol- B

According to Octets rule
Electrons per shell=2,3
Valency=+ 3
(Boron is a metalloid.)
It loses electrons, then it is CATION

Atomic Mass : 10u
Location in periodic table : 2 period,13 group, p block

Boron is a non metal.
Boron has valency +3 so, boron is cation. Cation are positively charged ion.Elemental boron is a metalloid that is found in small amounts in meteoroids but chemically uncombined boron is not otherwise found naturally on Earth.Several allotropes of boron exist: amorphous boron is a brown powder, crystalline boron is silvery to black, extremely hard (about 9.5 on the Mohs scale), and a poor electrical conductor at room temperature. The primary use of elemental boron is as boron filaments with applications similar to carbon fibers in some high-strength materials.

Anonymous 1yr

Teertha IX-I R.no.6 work (cont.)



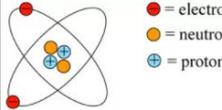
Anonymous 1yr



New doc Oct 7, 2020 7:44 PM - Page 1

NAME-Shreya Mittal
CLASS-IX-F
ROLL NO.-14
ATOMIC NUMBER-14
ELEMENT NAME-Silicon(Si)
ELECTRONIC CONFIGURATION-(2,8,4)
VALENCY-4
IT IS A METALLOID

Anonymous 1yr



● = electron
● = neutron
⊕ = proton

Name -Akanksha Verma
Class-IX-F
Roll no.-32
Atomic no.-2
Electron Distribution-2
Valency-0 (As it is stable)
It is not cation nor anion , It is stable
Element -Helium
Symbol of Helium- He

Anonymous 1yr

Chemistry Activity

Written Practice: <https://padlet.com/neerajpunia/ol1ko1yv643n>

A grid of handwritten notes from various students, each in a separate Padlet card. The notes cover topics like redox reactions, balancing equations, and chemical reactions. Each card includes the student's name and a small image of their handwriting.

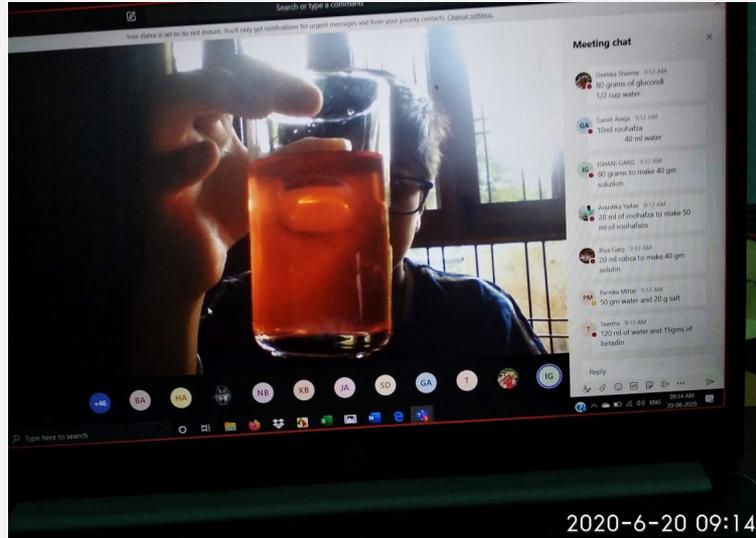
- Lakshay Hooda**: Anonymous 8mo. Handwritten notes on redox reactions.
- SAACHEE RAO**: Anonymous 8mo. Handwritten notes on redox reactions.
- Pranay**: Anonymous 8mo. Handwritten notes on redox reactions.
- Jiya Singriwal**: Anonymous 8mo. Handwritten notes on redox reactions.
- Mihika Goyal**: Anonymous 8mo. Handwritten notes on redox reactions.
- Himanshi Kumar X-D**: Anonymous 8mo. Handwritten notes on redox reactions.
- Ritika**: Anonymous 8mo. Handwritten notes on redox reactions.
- Jyoti Manchanda 8mo**: Anonymous 8mo. Handwritten notes on redox reactions.
- Hriday**: Anonymous 8mo. Handwritten notes on redox reactions.
- Rewa Harit X-C**: Anonymous 8mo. Handwritten notes on redox reactions.
- Naman Sharma**: Anonymous 8mo. Handwritten notes on redox reactions.
- Hemakshi Bansal X-D (12)**: Anonymous 8mo. Handwritten notes on redox reactions.
- Diya Mathur X D**: Anonymous 8mo. Handwritten notes on redox reactions.
- VAIBHAV 16**: Anonymous 8mo. Handwritten notes on redox reactions.
- Jajat**: Anonymous 8mo. Handwritten notes on redox reactions.

Experiments during online classes



Apparatus made from household items

Activities during online classes





(Cancelled) ACIDS, BASES AND SALTS
08 April 2021 @ 09:30

3 replies from you

Reply

15 April 2021



NEERAJ PUNIA 15-04-2021 09:10

Properties of Acids and Bases (Simulator) : Class 10 : Chemistry : Amrita Online Lab (olabs.edu.in)



Properties of Acids and Bases (Simulator) : Class 10 : Chemistry : Amrita Online Lab
To study the properties of acids and bases.



amrita.olabs.edu.in

Reply



NEERAJ PUNIA 15-04-2021 09:01

Scheduled a meeting

27 April 2021



NEERAJ PUNIA 27-04-2021 07:57

<http://amrita.olabs.edu.in/?sub=73&brch=3&sim=78&cnt=4>



Determine pH with pH indicator strips / universal indicator solution (Simulator) : Class 10 : Chemistry : Amri...

To find the pH of the following samples by using pH paper/universal indicator. a. Dilute Hydrochloric acid b. Dilute NaOH solution c. Dilute ethanoic acid solution d. Lemon juice e. Water f....

amrita.olabs.edu.in

Reply

Online Experiments : Olabs



Meet

notebook.

OBSERVATIONS:

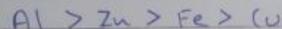
S.NO.	SAMPLE	COLOUR PRODUCED	APPROXIMATE pH
1.	Dilute hydrochloride acid solution	Red	1
2.	Dilute sodium hydroxide solution	Purple	14

Scanned by CamScanner

OBSERVATIONS:

METAL ADDED	SOLUTION TAKEN			
	ZnSO ₄ solution	FeSO ₄ solution	CuSO ₄ solution	Al ₂ (SO ₄) ₃ solution
Zinc	No change	Fe is displaced	Cu is displaced	No change
Iron	No change	No change	Copper is displaced	No change
Copper	No change	No change	No change	No change
Aluminium	Zn is displaced	Fe is displaced	Cu is displaced	No change

INFERENCE: The decreasing order of reactivity of these four metals is:



PRECAUTIONS:

Results obtained after performing the simulations

3.	Dilute ethanoic acid solution	Yellow	3
4.	Lemon juice	Orange	2
5.	Water	Green	7
6.	Dilute sodium carbonate solution	Blue	11

RESULT:

Acidic samples (with pH less than 7) are: $Dil\ HCl, Dil\ CH_3COOH$

Basic samples (with pH more than 7) are: $Dil\ Na_2CO_3, Dil\ NaOH$

Neutral sample (with pH = 7) are: H_2O

$pH = -\log [H^+]$ or $pH = -\log [H^+]$

The pH scale generally extends from 0 to 14.

PROCEDURE: To find the pH of the given samples by using wide range pH paper

- Place six clean and dry test tubes stand and pour 2 ml of each sample whose pH is to be determined into the six test tubes.
- Tear a small portion (1-2 cm) of pH paper with clean and dry hands.
- Using dropper transfer 1 to 2 drops of the first test sample onto the universal indicator paper (pH paper).
- Observe the colour developed on the pH paper and compare it with the colours in the colour chart on the cover of the pH paper booklet.
- Note the pH given against the colour which tallies most with the colour developed on the pH paper.
- Repeat the procedure given above, for other samples and note your observations in the notebook.

OBSERVATIONS:

S.NO.	SAMPLE	COLOUR PRODUCED	APPROXIMATE pH
1.	Dilute hydrochloride acid solution	red	1
2.	Dilute sodium hydroxide solution	Very dark blue	14
3.	Dilute ethanoic acid solution	orange	3
4.	Lemon juice orange	pink	2
5.	Water	green	7
6.	Dilute sodium carbonate solution	blue	11

DIKSHA APP shared with the students

Shared with me > StudyMaterial-CLASS IX > SCIENCE CLASS 9 > CHEMISTRY

Folders

Name ↑

week 13chem 9

week 14chem9

week 15 and week 16 ...

week 17 chem9

WEEK 18 CHEM9

week 19 chem9

week1chem9

week2chem9

week3chem9

week4chem9

week5chem9

week7chem9

week8chem9

week9chem9

week10chem9

week11 and week 12 ...

Content shared via Google drive

9:44 AM



Class IXA 2020-21

Abha, Adarsh, Aditya, Ajitesh, Alis...



You added JANVI GOEL IXA

Forwarded

Are you a student of class
6, 7, 8, 9 or 10 in a CBSE School

Here is how you can
access e-content
for all subjects



Open: DIKSHA App on Android phone
Select: CBSE Board
Browse: Subject wise and topic wise
Watch How-to-use-App video:
https://youtu.be/Oaf_SaUkzlo

Or

Go to website:
diksha.gov.in/cbse/explore

Watch How-to-use-website video!

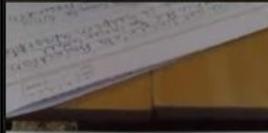
9:16 pm ✓



Bhavya A



Kriti K



Yash Y



Abhinav K



Harit C



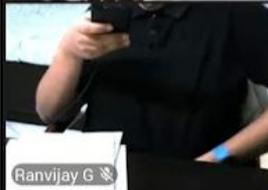
Ananya S



Rishabh M



Parth S

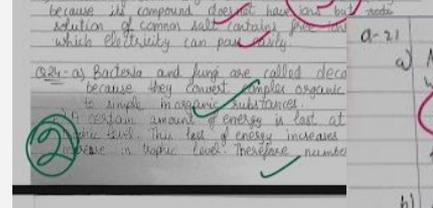
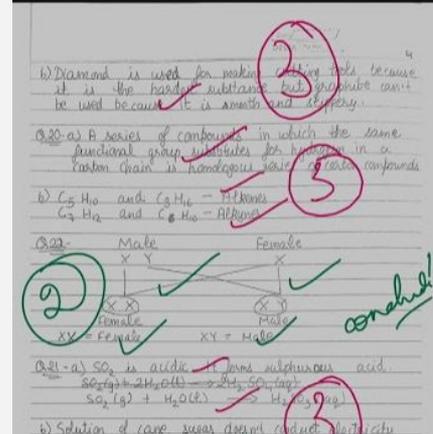
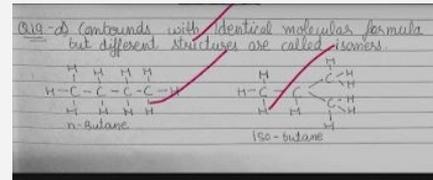


Ranvijay G



Sukriti

Assessment and corrections



NAME: Manan Abhishek
 CLASS: X SEC: C
 SUBJECT: Science ROLL NO: 13/32
 ASSIGNMENT: 11/18
 DATE: 29/11/2020

Q-21

OR a) Sugar < Con. battery acid < Conc. aches < Milk of magnesia

b) X - Carbon dioxide (CO_2)
 Y - Calcium Carbonate (CaCO_3)
 Z - $\text{Ca}(\text{HCO}_3)_2$

$\text{CaCO}_3 + \text{CO}_2 \rightarrow \text{CaCO}_3 + \text{H}_2\text{O}$

c) i) $\text{HCO}_3^- + \text{CO}_2 + \text{H}_2\text{O}$
 ii) Water of Crystallization

Q-22

a) i) Use of condoms - Condoms can be put on the penis which does not allow the transfer of sperm from male's body to female's.

ii) By taking pills - Pills are oral medicines which are taken orally which control the formation of eggs in female.

b) Testes are placed outside the abdominal cavity because they need temperature $2-3^\circ\text{C}$ less than human body temperature for the formation of sperm.

c) Gonorrhoea Syphilis

a-21

a) Nature - Acidic
 When it is dissolved in water it produces sulphuric acid.
 $\text{H}_2\text{SO}_3 + \text{H}_2\text{O} \rightarrow \text{H}_2\text{SO}_4$

b) A solution of cane sugar does not conduct electricity because it does not have ions present in it whereas a solution of common salt has ions present in the solution.

Online workshop : <https://padlet.com/neerajpunia/mi0e78dhk8dx>

Neeraj punia · 1yr

CAPACITY BUILDING PROGRAMME 26.06.2020 TO 30.06.2020

CONTENT

Neeraj punia 1yr

SESSION 1 - By Ms. Suchi Dixit

CAPACITY BUILDING PROGRAMME
26 JUNE, 2020

drive.google.com

THE FINAL PPT 26 JUNE 2020.pptx

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SESSION 2 - By Ms. Shuchi Diwan

GOOGLE FORMS
A TOOL THAT EMPOWERS
all of us

PDF

GOOGLE FORMS...

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phet.colorado.edu SIMULATIONS

Simulations

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SESSION 3- By Ms. Harjeet Kaur

New Cartesian Sign
Conventions of spherical
mirrors

PDF

sign_conventions...

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SESSION 6- by Ms. Harjeet Kaur

MOBILE LAB USING KITCHEN TOOLS

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SESSION 1 - By Ms. Neeraj Punia

CAPACITY BUILDING PROGRAMME
SCIENCE
(26.06.2020 - 30.06.2020)

ONLINE TEACHING TECHNIQUES AND TOOLS

PDF

ONLINE TEACHING TECHNIQUES...

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SESSION 2- By Ms. Neeraj Punia

CAPACITY BUILDING PROGRAMME
26.6.2020 TO 30.06.2020
SCIENCE

ONLINE ASSESSMENT TOOL

PDF

ASSESSMENT TOOLS.CRP

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Neeraj punia 1yr

SESSION 3: By Ms. Priyanka Tyagi

Adrenal gland
Hypothalamus
Hypophysis (pituitary gland)
Posterior pituitary gland
Anterior pituitary gland
Ovary
Uterus
Vagina
Vulva

Padlet · priyanka tyagi

EXCRETION

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Neeraj punia 1yr

SESSION 3; By Ms. Suchi Dixit

QUICK RECAP

PPTX

Exemplar_Teaching...

☆ Rate

Appreciation letter from my Ma'am Principal

11.07.2020

MS.NEERAJ PUNIA
DAV PUBLIC SCHOOL,
SECTOR-14, GURUGRAM

Dear Ma'am,

I would like to put on record my warm and sincere appreciation for inspiring the teachers during the lockdown time in the **Four days (26 June – 30 June 2020) Virtual Capacity Building Programme** for the teachers (**SECONDARY - CHEMISTRY**) under the aegis of DAVCAE during the **Academic Session 2020-21**. Your organizational skills and innovative planning was instrumental in the success of the workshop. All the participants found the training very interactive and enriching. I appreciate and admire the sense of involvement in rendering your expertise as a resource person for the workshop.

I would like to congratulate you on your professional acumen and wish you success for many such endeavours in future.



(APARNA ERRY)
HEAD
CLUSTER V(DELHI-NCR)
&
PRINCIPAL
DAV PUBLIC SCHOOL
SECTOR 14, GURUGRAM

MIEE- last seven years



Neeraj Punia @NeerajPunia11 · 7s

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Earners of this badge are educators who have been selected as Microsoft Innovative Educator (MIE) ...



Neeraj Punia @NeerajPunia11 · Sep 3

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Microsoft Innovative Educator Expert 2020-2021 ...
Earners of this badge are educators who have been selected as Microsoft Innovative Educator (MIE) ...



Certificate of Recognition

www.microsoft.com/education



Innovative Educator MasterTrainer

Neeraj Punia

has been awarded this Microsoft in Education certificate in recognition of membership in the Microsoft Innovative Educator Master Trainer program.

12/12/2021

Anthony Salcito
Vice President, Education

Sanja Dalavise
Business Strategy Leader, Educator Programs



Microsoft Innovative Educator Expert 2018-2019

Completed on: 8/24/2018

[View details and certificate](#)



Microsoft Innovative Educator Expert 2017-2018

Completed on: 9/20/2017

[View details and certificate](#)

E Raksha Judgement

Date: 28th May 2021

Dear Neeraj Punia,

On behalf of the entire organising team at CyberPeace Foundation and our collaborators, I would like to extend my heartfelt gratitude to you for taking out time and investing efforts in eRaksha Competition 2020 through your participation as a jury. Your involvement, expertise and support directly contributed in making eRaksha Competition 2020 a success. It was inspiring to work with you and we hope to continue this collaboration in the future for projects other than eRaksha Competition as well.

Looking forward to your support and participation in our future events. We wish you the very best for your future endeavors.

Sincerely,



VINEET KUMAR

Founder & President
CyberPeace Foundation



Jury Members

FIRST ROUND

Neeraj Punia
D. A. V. PUBLIC SCHOOL sector 14, GURGAON

Benny Varghese
JNV PATHANAMTHITTA

S. Sakthivel Murugan
PUMS, SHOLINGANALLUR

Jainus Jacob
Kendriya Vidyalaya Thrissur

N. Kalpana
Municipal Higher Secondary school, Kumar Nagar,
Tirupur Dt.

Ruksana Salika
SCERT, ASSAM

Vikranth K
G H S Handli

Muthukoya VM
Dr. KK. Mohammedkoya Govt. senior secondary school
Kalpeni

Vineeta Garg
SRDAV Public School

Mridu P Saxena
Sagar Public School

Amrita Singh
Govt. Girls Senior Secondary School

Kaustubh Chandra Joshi
SKS GIC Pattharkhani, Pithoragarh

Nagaraju Devanapalli
Govt High School, Dajwel

Alpa Nigam
Primary School Tilauli, Sardar Nagar, Gorakhpur

Saji Kumar VS
JAWAHAR NAVODAYA VIDYALAYA

Himani Aalja
Ambience public school, Safdarjung Enclave

Narender Singh Jambal
GSSS Mahung

Suchetha S S
Govt.High School T.Dasarahalli, Bengaluru North-4

Suryaveer Singh
S.D.Public School

Chandni Agarwal
Maharaja Agrasen Model School

Ella Serry
eSafety, Government of Australia

Ramesh Prasad Badoni
Gic miras dehradun

Manu Gulati
Directorate of Education, GNCT of Delhi



Live CIET-NCERT sessions

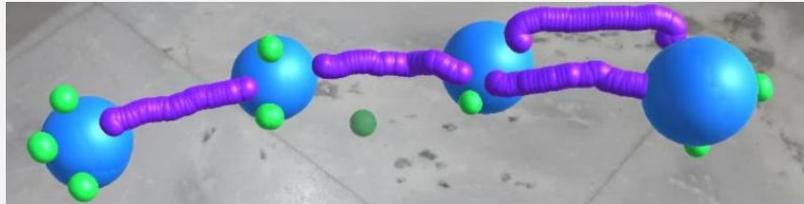
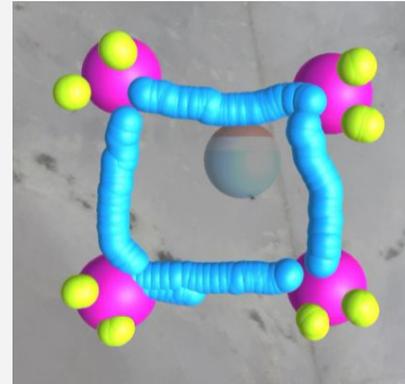
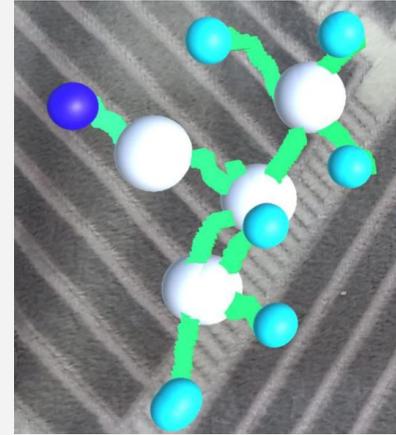
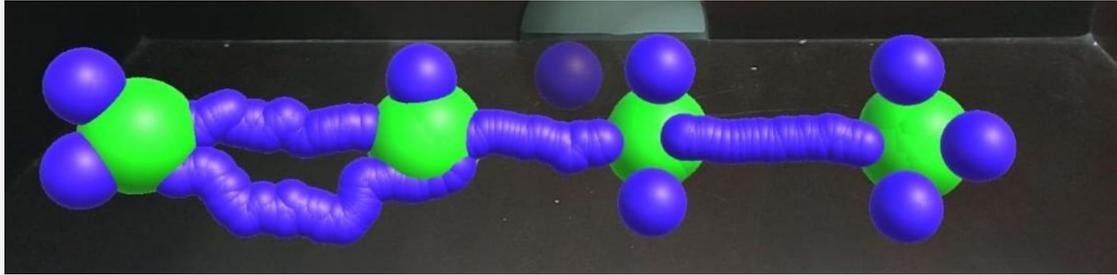


A promotional banner for a live session. At the top left are the logos of the Government of India, NCERT, and the Ministry of Education. At the top right is the 'edya' logo. The banner features a pink and white background with a lightbulb icon and a stack of books. The text reads: "Watch Live Session Class - VIII Channel #08". Below this, a red box contains the text "Let us fight #COVID-19". The main title is "Metals and Non-metals - I". The subject is "Science" and the date is "09 September 2021 (03:00 pm to 03:30 pm)". It mentions a "Live interaction with: Ms. Neeraj Punia, TGT-Chemistry, DAV Public School, Sector-14, Gurugram". At the bottom, there are icons for DD Free Dish, Jio TV, and NCERT OFFICIAL, along with the channel number #209 and the number 3800440559.

A promotional banner for a live session. The background is a purple-to-blue gradient. The text reads: "Let us fight # COVID-19", "Metals and Non -metals – II", "Subject: Science (Class: VIII)", "Live Interactive session with", "Ms. Neeraj Punia (National ICT awardee)", "TGT Chemistry, D.A.V.Public School Sector 14 Gurugram", and a large black box with the number "26:16".



Visualising 3D structures of simple hydrocarbons: AR Draw



Class practice on one note

CHEMISTRY CLASS IX F Notebook

- Naksan Aggarwal
- Navdeep Yadav
- Narya Mittal
- Parthi Sharma
- Prisha Dhawan
- Punvanshi Gill
- Class Notes
- Homework
- Rashi Yadav
- Rhythm Kaur
- Rishima Kapoor
- Rudraksh Sharma
- Satvi Gupta
- Shreya Maheshwari
- Varda Nagpal

VALENCY

COMPOUND FORMATION

Revision

Revision (Atoms And Mo...)

Untitled Page

10 December Revision

Revision (17.1.22)

Structure Of Atom

Untitled Page

Untitled Page

REVISION (27.1.21)

Handwritten notes:

$100 \text{ g } \text{NH}_3 = \frac{100}{17}$

Molecules = $\frac{100}{17} \times 1.02 \times 10^{23} \times 2$

$= 141.69 \times 10^{23}$

NH_3 have more moles

3. Ionic Compound - Presence of cation and anion and there is exchange of electron.

Molecular compound - Sharing of electron and no cation & anion are present.

CLASS XC Notebook

Chemical Reactions And ...

27 Jan Carbon and its co...

revision

Acid and bases Shrestha...

Carbon and its compound

DAV PUBLIC SCHOOL, SECTOR 14, GURUGRAM

CHEMISTRY ASSIGNMENT

ACIDS, BASES AND SALTS

CLASS - X

A. Complete the missing links:

i. The acidity or alkalinity of a solution is expressed in terms of pH level

ii. A base is a substance which when dissolved in water gives hydroxide ions in the solution and acid is a substance which when dissolved in water gives hydrogen ions in the solution.

iii. The acidity produced in the stomach due to indigestion is an account of HCL produced in the stomach. Milk of magnesia is given as an antacid medicine to neutralize the hydrochloric acid.

iv. The reaction between hydrogen ions given by the acid with the hydroxide ions given by the base to form water is called neutralisation reaction.

v. Phenolphthalein is colourless in acidic medium and has pink colour in basic medium.

B. True or False:

i. Dilution of concentrated acid with water is highly exothermic. Hence for, dilution we always add water to acid and not acid to water. False

ii. Hydrogen gas is released when a metal carbonate reacts with hydrochloric acid. True

iii. Calcium oxychloride is the chemical name of plaster of Paris. True

iv. The process of manufacture of Sodium Hydroxide is called Chlor-alkali process because it uses chlorine as one of the reactant. False

CHEMISTRY CLASS IX F Notebook

VALENCY

COMPOUND FORMATION

Revision

Revision (Atoms And Mo...)

Untitled Page

10 December Revision

Revision (17.1.22)

Structure Of Atom

Untitled Page

Untitled Page

REVISION (27.1.21)

Handwritten notes:

27 January 2022 12:07

NH_3 has less mass than the atoms of same elements having different mass number but same atomic number.

NH_3 has

(i) Number of electrons = Number of protons = Atomic No. No. of electrons = 11

(ii) Number of protons = 11 = Atomic Number

(iii) Number of neutrons + No. of protons = Mass No. No. of neutrons = 23 - 11 = 12

(iv) Electrons in $\text{Na}^+ = 10$

Bohr's model of Na^+

Q. No. of protons = Atomic No. No. of electrons = different atomic mass. But some mass numbers are possible.

Siddharth Sharan

Uday Singh Mann

CHEMISTRY CLASS IX F Notebook

Abhimanyu Singh

Revision

Revision 2

Revision for term

Ch4 revision

Revision 24 Jan 2021

Monday, January 24, 2022 9:50 AM

Handwritten notes:

C_2H_6 (Ethane) (Long chain)

C_2H_6

Handwritten diagrams of molecular structures.

CHEMISTRY CLASS XC Notebook

Revision

Revision 24 Jan 2021

Monday, January 24, 2022 9:50 AM

Handwritten notes:

Revision

It is negatively charged. It is positively charged. It has a negative charge. It has a positive charge. It is present in the nucleus in fixed ratio. It is present in the nucleus in fixed ratio. It is present in the nucleus in fixed ratio.

CHEMISTRY CLASS XC Notebook

Chemical Reactions And ...

Formula

REVISION

Handwritten notes:

1. The colour changes to pale green.

2. All of the above.

3. The colour changes to pale green.

4. The colour changes to pale green.

5. The colour changes to pale green.

6. The colour changes to pale green.

7. The colour changes to pale green.

8. The colour changes to pale green.

9. The colour changes to pale green.

10. The colour changes to pale green.

THANK YOU SO MUCH MY FAMILY MEMBERS, FRIENDS, INCHARGES AND MA'AM PRINCIPAL



SPECIAL THANKS TO ALL MY DEAR STUDENTS



**Thank
You!**

A vibrant, 3D-style graphic of the words "Thank You!". The word "Thank" is rendered in a pink-to-orange gradient, while "You!" is in a blue-to-green gradient. Both words have a thick black outline and a 3D effect. The text is surrounded by several yellow stars and pink and blue ribbons, creating a celebratory and energetic feel.

A BIG THANKS TO CIET-NCERT