Patrika
IX - B
Presents
Disneyland of Creativity
Cordial welcome for taking a look at the creativity of IX-B.
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From Teacher's heart

I am delighted to note that like previous years, Kendriya Vidyalaya IIT Kanpur is going to release magazine but in new form (e-mag) due to Covid 19. We all are really proud to bring out the e-magazine of class IX-B. Vidyalaya patrikas are exclusively meant for churning out the latent talent which bears immense potentiality of sharpening communication skills. I would like to express my gratitude to our dynamic fountainhead inspiration, worthy principal, Vice principal, students and other teachers.

Dr. Raj Kishor Katiyar
TGT - Maths

#stay home #stay safe.
Success consists of going from failure to failure without loss of euthaliasm.

On behalf of class 9th -B, we want to thank our principal sir who gave us the opportunity to make an individual E magazine. We are sure through this magazine students of our school will become more creative than earlier. We are also thankful to my class teacher who motivated us to make such a magazine. Now it is the time to ensure our reader about a pandemic name Covid 19 or corona virus. We only want to tell you that please be hygienic and stay safe.

- Avantika Pandey
- Vidhansh Deboroy
Message from Editor's

Nothing is impossible, by this thought we have made this magazine.
First, We would like to thank our honourable Principal sir who provided us the opportunity for making e magazine. We also want to thank our class teacher who appreciated and deemed us worthy that we could do this.

We gave our 100% and thought that everyone would like this. #stay home #stay safe.

- Anshika
- Shivam
Editorials Section

Atika  Science
Shruti  Hindi
Vidhansh  English
Laxmi  Drawing
Divyansh  Maths

#stay home # stay safe
Let's have a look at the Creative section of English.

#stay home # stay safe
Life is beauty, admire it
Life is a dream, realize it
Life is a challenge, meet it
Life is a duty, complete it
Life is a game, play it
Life is a promise, fulfill it
Life is sorrow, overcome it
Life is a song, sing it
Life is a struggle, accept it
Life is a tragedy, confront it
Life is an adventure, dare it
Life is luck, make it
Life is too precious, do not destroy it
Life is life, fight for it

#stay home # stay safe

AVANTIKA PANDEY
Class - IX - B
A teacher is a friend and guide of our life who also imparts good values in us. Teachers take their best efforts to turn the students into responsible citizens. Teachers play a very important role in each one of our lives.

Name: Vineet Saxena
Class: 9th B
English Language

No wonder the English language is so very difficult to learn.
I sometimes wonder how we manage to communicate at all!
We'll begin with a beak and the plural is beaks.
But the plural of ox should be oxen, not axes.
The one fowl is a goose but two are called geese.
Yet the plural of moose should never be moose.
You may find alone a mouse or a whole set of mice,
Yet the plural of house is houses not hice.
If the plural of man is always called men,
Why shouldn't the plural of fan be called fan.
If I speak of a foot and you show me your feet,
And I give you a boat, would a pair be called boat?
If one is a tooth and a whole set are teeth,
Why should not the plural of both be called both?
Then one may be that and three would be those,
Yet hat in the plural wouldn't be hose.
And the plural of cat is cats and not case.
We speak of a brother and also of brethren,
But though we say Mother, we never say mether.
Then the masculine pronouns are he, his and him,
But imagine the feminine she, shir, shim.
So English, I fancy you will all agree,
Is the funniest language you ever did see.

Name - Shrutika
#stay home # stay safe

Why God Made Teachers

Brachi Singh
9th B

When God created teachers
He gave us special guides
To help us understand His world
And truly comprehend
The beauty and the wonder
Of everything we see
And become a better person

Why God created teachers
He gave us special guides
To show us ways in which to grow
So we can all decide
How to live and how to do
What is right instead of wrong
To lead us so that we can lead
And learn how to be strong.
No wonder the English language is so very difficult to learn. I sometimes wonder how we manage to communicate at all! We'll begin with a box and the plural is boxes; but the plural of ox should be oxen, not oxes. The one fowl is a goose but two are called geese; yet the plural of moose should never be meese. You may find alone mouse or a whole set of mice, yet the plural of house is houses not hice.

If the plural of man is always called men, why shouldn't the plural of pan be called pen?
If I speak of a foot and you show me your feet, and I give you a boot, would a pair be called boot?
If one is a tooth and a whole set are teeth, why should not the plural of booth be called booth?
Then one may be that and three would be those, yet hat in the plural wouldn't be hose.
And the plural of cat is cats and not cose.
We speak of a brother and also of brethren, but though we say mother, we never say motheren. Then the masculine pronouns are he, his and him; but imagine the feminine she, shes, shim.
So English, I fancy you will all agree, is the funniest language you ever did see.
Fire and Ice

Some say the world will end in fire,
Some say in ice.
From what I've tasted of desire
I hold with those who favor fire.
But if it had to perish twice,
I think I know enough of hate
To say that for destruction ice
Is also great
And would suffice.

ATIKA PAL
IX-B
Let's take a View of Maths Magic

#stay home # stay safe
#stay home # stay safe

Maths, Maths, Maths!

Down with old Pythagoras,
And down with sottern maths,
Down with Archimedes,
And down him at the bath's.

If anyone had to do it
I'd make sure it was me,
First I'd wholly immense him,
Then kick him up a tree.

When he had been disposed of,
I'd turn on old Pythag,
I'd drag him through a falsely bush,
And we'd come out like a tidy.

Now my pipe dream's over,
And I've nothing more to say,
Except that Maths still lives on
To be taught another day.

Aniya Mishra
IX-B.
NAME THAT ANGLE!

right     acute     obtuse
obtuse    right     acute
acute     obtuse    right

VIEWS of objects

ATIKA PAL
IX-B
Algebraic identities

\[(a + b)^2 = a^2 + 2ab + b^2\]

\[(a - b)^2 = a^2 - 2ab + b^2\]

\[(a + b)(a - b) = a^2 - b^2\]

\[(x + a)(x + b) = x^2 + (a + b)x + ab\]

\[(x + a)(x - b) = x^2 + (a - b)x - ab\]

\[(x - a)(x + b) = x^2 + (b - a)x - ab\]

\[(x - a)(x - b) = x^2 - (a + b)x + ab\]

\[(a + b)^3 = a^3 + b^3 + 3ab(a + b)\]

\[(a - b)^3 = a^3 - b^3 - 3ab(a - b)\]
#stay home # stay safe

**Parts of 3-D Shapes**

- **Cube**: vertex (the corners where three (3) faces meet), face (the flat surface of a solid), edge (formed where 2 faces meet)

<table>
<thead>
<tr>
<th>2-D Figures</th>
<th>3-D Figures</th>
<th>Square</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>vertex</td>
</tr>
<tr>
<td></td>
<td></td>
<td>edge</td>
</tr>
</tbody>
</table>

**Examples**:
- Square: 1 wide (width), 2 tall (height)
- Cube: 1 wide (width), 1 wide (width), 3 deep (depth)
Maths a Challenge

Try, try and try
the more I try
the more I cry.
I practice maths with my heart and soul,
Yet I am not able to achieve my goal.
I never get marks in maths
inspite of my great endeavors.
Fate is never in my favour
I really want to improve my maths,
because I love this subject,
and for this I am trying my level best.
I am candid so I confess,
in mathematics examination I always create a mess,
all the answers I guess,
and ultimately the marks I get are quite less.
I believe that if I do ample practice,
I'll one day probably achieve my goal,
and I seriously have to improve
because in our lives maths plays a very significant role.
#stay home # stay safe

**Parts of a Graph**

- **Scale**
- **y-axis** (vertical axis)
- **Title**
- **Student’s Favorite Colors**

**Interval**

<table>
<thead>
<tr>
<th>Number of Students</th>
<th>Red</th>
<th>Orange</th>
<th>Yellow</th>
<th>Green</th>
<th>Blue</th>
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</thead>
<tbody>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>50</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**x-axis** (horizontal axis)

**Labels**

<table>
<thead>
<tr>
<th>Colors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
</tr>
<tr>
<td>Orange</td>
</tr>
<tr>
<td>Yellow</td>
</tr>
<tr>
<td>Green</td>
</tr>
<tr>
<td>Blue</td>
</tr>
</tbody>
</table>

**ATIKA PAL IX-B**

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**Math**

- Math is like time
  it never stops.

- Math is a book,
  you can’t close it till it’s done.

- Math is like a lottery,
  you can never win.

- Math is a painting
  you can’t lose interest in it.

- Math is like eternity,
  it is never over.

- Math is a smile
  it can be happy and evil.

- Math is like glue
  once you know it, you can’t forget it.

- Math is a roller coaster
  it is exciting.
Let's take a view of Inovation and you!

Science

#stay home # stay safe
#stay home # stay safe

**Wonders Of Science**

We are living in an era of Science. New inventions of science are changing life of every individual on the planet. These inventions have become an integral part of our life and we can't imagine our life without them.

Invention of Electricity is one of the greatest wonders of modern Science. Electricity is a great source of power. All the electric home appliances like Television, fan, lights etc. are the gift of Science.

**Science Is Magic**

Science has given us many wonders. It plays an important role in our life. It has made impossible things possible that that is why our life has become easier and comfortable.

Now we should know what is Science? Science is nothing but it is systematic knowledge of anything. There are many inventions of science. In this age we have many big and small things to use. We have everything to fulfill our needs like as electricity, computer, train, T.V etc.

Anamika-9th B
**Benzene (continued)**

- **Comparison between the reactivity of benzene and cyclohexene.**
- **The chemistry of phenols**
- **Electrophilic substitution**

---

**Mechanism for cyclohexene and bromine:**

![Mechanism](image)

- The localised pi-bond in the C=C double bond produces an area of high electron density. The localised electron in the pi-bond induces large dipoles in the bromine molecule so it acts as an electrophile. This makes cyclohexene more reactive than benzene.

- Benzene has a delocalised electron in the pi-bond so the electron density around any two carbon atoms is relatively low. Therefore, benzene is unable to polarise (induce dipoles in) the bromine molecule so requires a catalyst to react.

- Benzene undergoes substitution rather than addition because it allows the delocalised pi-bond to reform.

**Phenols contain an OH group that is directly bonded to the benzene ring.** If the OH is not directly bonded to the benzene ring e.g. C₆H₅CHOH, it is an alcohol rather than a phenol.

- Phenol is less soluble than alcohols due to the non-polar benzene ring.

- Phenol partially dissociates into the phenoxide ion (C₆H₅O⁻) and H⁺ (a proton).

- As phenol is a weak acid, sodium carbonate is used to distinguish between phenols and H⁺ carboxylic acids; as the acid will produce effervescence.

- Electrophilic substitution: phenol + Br₂ → Br⁻ + HBr. Bromination of phenol produces 4,4,6-tribromophenol and a colour change from orange to colourless, a white precipitate is formed. This occurs at room temp., with no catalyst - benzene requires a catalyst.

- Phenol reacts with NaOH to produce sodium phenoxide: C₆H₅OH + NaOH → C₆H₅O⁻ + H₂O (sodium phenoxide is the salt).
Quantum Theory is the theoretical basis of modern physics that explains the nature and behaviour of matter and energy on the atomic and subatomic level. Planck wrote a mathematical equation involving a figure to represent these individual units of energy, which he called quanta.

ATIKA PAL
IX-B
**What are the Valences?**

A measurement of the power of an atom to combine with others, by the number of hydrogen atoms it can combine with or take the place of.

<table>
<thead>
<tr>
<th>Name of element</th>
<th>Chemical Symbol</th>
<th>Valency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminium</td>
<td>Al</td>
<td>3</td>
</tr>
<tr>
<td>Iron</td>
<td>Fe</td>
<td>2 and 3</td>
</tr>
<tr>
<td>Barium</td>
<td>Ba</td>
<td>2</td>
</tr>
<tr>
<td>Calcium</td>
<td>Ca</td>
<td>2</td>
</tr>
<tr>
<td>Copper</td>
<td>Cu</td>
<td>1 and 2</td>
</tr>
<tr>
<td>Magnesium</td>
<td>Mg</td>
<td>2</td>
</tr>
<tr>
<td>Zinc</td>
<td>Zn</td>
<td>2</td>
</tr>
<tr>
<td>Mercury</td>
<td>Hg</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Lead</td>
<td>Pb</td>
<td>2 and 4</td>
</tr>
<tr>
<td>Nickel</td>
<td>Ni</td>
<td>2</td>
</tr>
<tr>
<td>Sodium</td>
<td>Na</td>
<td>1</td>
</tr>
<tr>
<td>Potassium</td>
<td>K</td>
<td>1</td>
</tr>
<tr>
<td>Silver</td>
<td>Ag</td>
<td>1 and 2</td>
</tr>
<tr>
<td>Gold</td>
<td>Au</td>
<td>1 and 3</td>
</tr>
<tr>
<td>Bismuth</td>
<td>Bi</td>
<td>1</td>
</tr>
<tr>
<td>Iodine</td>
<td>I</td>
<td>1</td>
</tr>
<tr>
<td>Oxygen</td>
<td>O</td>
<td>2</td>
</tr>
<tr>
<td>Sulphur</td>
<td>S</td>
<td>2</td>
</tr>
<tr>
<td>Tin</td>
<td>Sn</td>
<td>2 and 4</td>
</tr>
<tr>
<td>Phosphorus</td>
<td>P</td>
<td>3 and 5</td>
</tr>
</tbody>
</table>
ANATOMY_OF_THE_EAR

NAME-VINEET
CLASS-9TH -B

#stay home # stay safe

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Interesting facts

1. The brain is much more active in at night than during the day.
2. During your lifetime, you produce enough saliva to fill 2 Olympic sized swimming pools.
3. Your nose can remember 50,000 different scents.
4. Women's hearts beat faster than men's.
5. Your eyes are always the same size from birth to death but your nose and ears never stop growing.
6. On any given day, sexual intercourse takes place 120 million times on earth.
7. The brain cannot feel pain.
8. The largest internal organ is the small intestine.
9. Relative to size, the strongest muscle in the body is the tongue.
10. It takes 17 muscle to smile and 43 to frown and 3 muscle to punch someone.

ATIKA PAL
IX-B
Some Full Forms in Biology

AIDS - Acquired immunodeficiency syndrome.
HIV - Human immunodeficiency virus.
RCH - Reproductive and child health care.
ARTs - Assisted reproductive activity.
MTP - Medical termination of pregnancy.
ABP - Androgen binding protein.
HPL - Human placental lactogen.
FSH - Follicle stimulating hormone.
HCG - Human chorionic gonadotropin.
GnRH - Gonadotropin releasing hormone.

ATIKA PAL
IX-B
Let's have a new taste of Hindi

#stay home # stay safe
माँ

AVANTIKA PANDEY
IX - B
#stay home # stay safe

अवतिका पांडेय
नवी - बा
#stay home # stay safe
#stay home # stay safe

हॉरोना पर विषय
हॉरोना महामारी
विश्व पर हे भारी /
सबको कर दिमाग हे तालाबानी
फिर भी हमें हिमाम नहीं दारी /
सफाई, सामाजिक दूरी और यहां सुरक्षा
तीन महंगानी ले सुखाने भरत के बनाये।
हम तुम्हारा टिकट ने देखे।
हम कुम को अपना कर छोड़ दें
उजागर नहीं, सकेंगी नहीं
जान पर रखतकर आकर नीते
हम तीनों काम भाग, हम दोघों विषय।

नगदी (व)
IX-B
हिंदी भाषा

प्रकृति की पत्ती धक्का ५ के
में हिंदी भाषा की, कभी तो कहीं है
क्या हैं हिंदी लिपि है, हिंदी के कल्प के अन्य कहीं
का बाज़ार, हँस-बाज़ार, हँस-बाज़ार का, पांडव कई कहीं
कहीं हैं हिंदी की पत्ती?
प्रकृति की हर दक्षिण अंतर पर समुद्र है
में हिंदी भाषा की इतने से समुद्र है
जो बांधते हैं, कही लिखते हैं,
सा के भाव चारी अंतर है।
हिंदी भाषा है तुलें, प्रकृति के दोस्तों के बाहर हैं,
मां की मां का की शुरु, धुमधाम लगा आरण्य
बुद्ध तथा चली है हिंदी चली है
का गांवः भाषा की कस्त धानी,
बकर तुम धार तुम अंतर भाषा की?
आरण्य की कीं कलाकृति करे।
"देवो की भाषा का कहीं तुम हिंदी कहीं"।
कल तक तुम अंतर होने की काल होनी
हर एक भाषा का हुस्त हिंदी के चारन की
ही बाज़ीः पत्ता दुसरे भाषा की?
हिंदी भाषा पर आभि भस करे केंद्र।
Let's have a view of
Our Creation's
and
Some jokes

#stay home # stay safe
#stay home # stay safe
#stay home # stay safe

Shruti
IX-B

Hey! Vashudev!

Shree
Krishna
#stay home # stay safe
#stay home # stay safe

Anshika  IX B
#stay home # stay safe
#stay home # stay safe

Wife: had ur lunch?
Husband: had ur lunch?
Wife: i m asking you
Husband: i m asking you
Wife: u copying me.?
Husband: u copying me?
Wife: lets go shopping
Husband: Yes i had my lunch

Santa-Oye!what R U doing?
Banta-Recording this babys voice.
Santa-Why?
Banta- When he grows up,
I shall ask him what he meant by this...

Funwaaas
संतू, रोटी का एक निवाला खुद खा रहा था और एक पास बैठी मुर्गी को खिला रहा था...

संतू : ये क्या कर रहा है?
बंतू : चिकन के साथ रोटी खा रहा हूँ।

#stay home # stay safe
#stay home # stay safe
#stay home # stay safe
#stay home # stay safe
Unforgivable Memories and More
#stay home # stay safe
#stay home # stay safe
#stay home # stay safe
#stay home # stay safe
#stay home # stay safe
Gems Of Class
Laxmi Pathak
Art competition (sst ex) 2 rank
Poem recitation. 1 rank
Art competition. 1 rank

Avantika Pandey
Card making 3 rank
Paragraph writing 2 rank
Calligraphy 3 rank
Ashu bhashan 2 rank

Shruti
Hindi calligraphy 1 rank
Slogan writing 2 rank
Painting competition 2 rank
Shudh vartani lekhan 2 rank

#stay home # stay safe
Atika Pal
Ashu bhashan   2 rank
Kavita path.   1 rank
Sketching and shading  2 rank
Kahani kathan.   1 rank

Anshika Singh
Greeting card.   1 rank
NCSC. (regional).  3 rank
Sanskrit Olympiad   3 rank
(Section vise)
Slogan writing.   2 rank

#stay home # stay safe
Sport's day winners of 2019-2020

#stay home # stay safe
<table>
<thead>
<tr>
<th>Name</th>
<th>Event</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anshika Singh</td>
<td>High jump</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>200 meter rellay</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>400 meter rellay</td>
<td>3</td>
</tr>
<tr>
<td>Yogita</td>
<td>Long jump</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>400 meter rellay</td>
<td>1</td>
</tr>
<tr>
<td>Kiran</td>
<td>200 meter rellay</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>400 meter rellay</td>
<td>1</td>
</tr>
<tr>
<td>Tanya</td>
<td>Long jump</td>
<td>3</td>
</tr>
<tr>
<td>Laxmi Pathak</td>
<td>High jump</td>
<td>3</td>
</tr>
</tbody>
</table>

#stay home # stay safe
Ajendra
High jump  3 rank
400 meter rellay. 3rank
200meter rellay. 3 rank
600 meter race. 3 rank
Amirandra
400 meter  1 rank
400 meter rellay. 3rank
200meter rellay. 3 rank
600 meter race. 1rank
Kartikey
200,400 meter rellay. 3rank
Anurag
400 meter rellay. 3rank
Ayush Singh K.
200 meter rellay. 3rank
#stay home # stay safe
Thank you

By - Anshika Singh
- Shivam

#stay home # stay safe