

## 4th EDUCATOR'S AWARD



We are honored to announce the program date of the 4th Educator's award

11th January 2018 at VADODARA

The window is still open for registration for the eligible educators upto 30th November 2017.

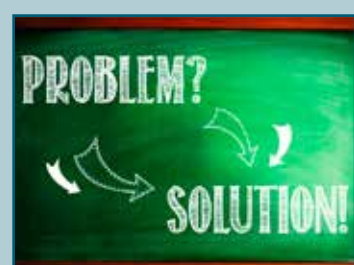
"The roots of education are bitter, but fruits are sweet!"

**8th Annual Art Competition**  
"IMPRESSIONS & EXPRESSIONS" 2017-18  
The school with the maximum participation will get the "Impressions and Expressions" 2018 School trophy and certificate".

**Entry Fee Rs. 50**

**Contact: 9586022210, 9925032168**  
For more details: <http://www.theopenpage.co.in>

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## RACK YOUR BRAIN

Dear readers, what does success in the class room means to you?"

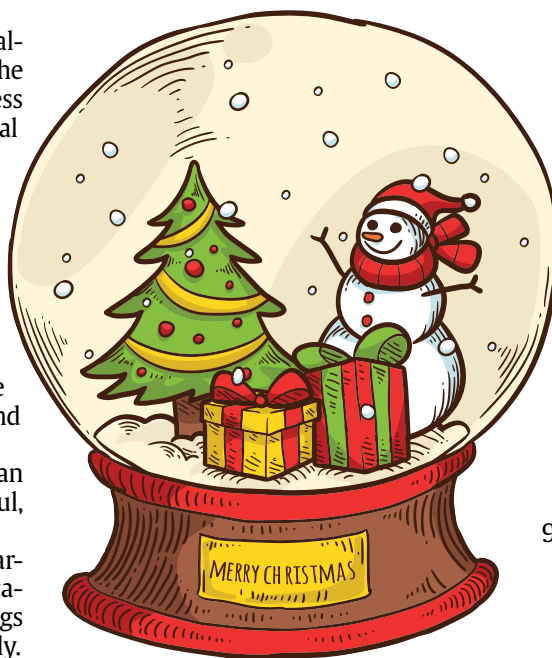
Readers, If you want to reflect in "Rack your Brain", Mail us your answers, in 25 or 30 words with your photographs upto 15th December 2017, Mail Id: [theopenpage@tripada.com](mailto:theopenpage@tripada.com) or you can whatsapp on 9586022210.

# "Magical waves of Christmas"

Christmas is a wonderful feeling, specially for children, it's the time where the young and old are awaiting with eagerness to celebrate the days with very special moments by decorating their houses, sharing their happiness by giving gifts and making special deserts, celebrations are made more lively by singing, dancing, gathering, visiting church. People are very fairly seems to have a lighter step, a bounce, a smile, are more inclined to say hello and wish you well to their relatives, neighbor. These are the very common traditions to express and greet everyone good wishes.

Something is there to share which can make the kids holidays more meaningful, knowledgeable and expressive.

1. Try to research with your grandparents, what the history was of the occasion and share whatever good things you learn with your friends and family.
2. You can utilize your day to connect with the people, relative, friends, who cares really about you. Making bonding with them which will strengthen your relation.
3. Give more values to good deeds rather than spending more money on giving costly gifts. You can help needy and poor people so they can also feel the essence of festival along with the rich peoples around the world. Give your good clothes which is now small in size to someone who really knows its important and can bring a smile in this festival. Volunteer at a homeless shelter or to the food bank, make memorable



festival with care and share method.

4. Its a great time where you can make a smile on the face by creating a stocking full of treats and gifts and keep it on doorstep of someone you know who has lost their job, has no family or disabled and not able to do by themselves. Deliver food baskets to a homeless person.
5. Express your feelings, your love care by writing a letter, or by making a greeting card for someone whom you need to forgive or whom you have offended, show your affection how much you

care for them and appreciate them and wish everybody a Merry Christmas, whom you love or not.

6. Try to establish some new traditions in the family which benefits the culture and can spread happiness around you and can sparkle the joy of living.

7. For showing kindness, you can visit a shelter and read books or play games with them to realize them a special eve burn candles and go for Christmas caroling.

8. Why stockings are valuable symbols for the children. Try to fulfill each of kids choose of a poor family, which can surprise them and it will give you a satisfaction of brings smile on others face..

9. Put up your lights which is an altruistic gifts to others who see the lights and are better able to get into the mood and spirit of the holiday, which gives sparkling message of joy to everyone.

10. Give name to your holiday for a good memory like Christmas holiday.. "Pause and reflect "-holiday,

As Christmas is the spirit of giving without a thought of getting. It is happiness because we see joy in people. It is forgetting self and finding time for others. It is discarding the meaningless and stressing the true values.

So Christmas brings spark of joy.



**HANSHA UPADHYAY**  
PROJECT LEADER,  
EDUCATOR'S AWARD

## FIRST MESSAGE

The important part of pencil is it's lid which is inside means inside is more important than outside. So never judge anybody from outer personality, check his inside character. Same thing is applicable for our life. If we want to be successful in life. we need to improve our inside which is our- thought. If we make strong, positive and creative thoughts inside us than outside black colour of inferiority, jealousy, hypocrisy will automatically become less important. The great APJ KALAM sir was not handsome look wise but he had done a handsome job for the society by his inner beauty, so, Inside world is more important, is the first message from the pencil.

## SECOND MESSAGE

To do something or to come in action, we should borrow the burden of sharpen, on our body, which hurts but helps to come in action. So as much we will borrow the pain we will come out in dynamic situation. So, be ready for pain to get success. Never forget pain is the part of procedure. The great Amitabh Bachan was rejected at All India Radio. But he accepted the pain of disrespect and sharpened his skills therefore now he is "MAHANAYAK"

## THIRD MESSAGE

Once inner side is developed and you are ready to do something with pain, you will come in execution part of life and in that process you may make mistakes. But pencil teaches us, "There is no permanent mistake, every mistake can be erased". Because eraser is available to correct every mistake. So, don't be afraid of mistakes it can be erased with HARDWORK AND HONESTY. Every mistake enters a new opportunity. Thomas Alva Edison performed 1000 times wrong experiments after that only he invented BULB. So, Erase the mistake with eraser of learning and write a new beautiful word again.

# PENCIL

## The PERSPECTIVE

Hello everybody, just imagine which was the our first favourite thing in our school bag? Yes, off course pencil. "MY PENCIL", was our first word enterprise. The pencil gives six tremendous perspectives to achieve a successful as well as satisfied life. So, let's enter in the world of satisfaction life along with the life of pencil.

## FOURTH MESSAGE

As you grow in life trouble will disturb you and your mind stability may breakdown that time, learn from the pencil that "if you breakdown, make the action double" because whenever pencil breaks two sides get position of writing so, in the time of trouble, do the Introspection and with the conclusion make your effort double that is the awesome message we get from pencil.

## FIFTH MESSAGE

If we keep pencil in book, in our pocket or on a blank paper it always leaves small or big mark on things. We need to learn to be careful with whatever work we do we have to do in such a perfect way that they leave their mark. MEANS so many remarkable work is needed in every situation is the message.

## SIXTH MESSAGE

The most important and effective message from the pencil is to be in a good hand then only your all effort, pain will come out as the best hand writing otherwise you will be considered as a common, So accompany i.e friends, your favorite books & movies that are good then only you can come out as the best of life.

These are the six best messages from pencil for the life, but the most important thing is when pencil comes out from it's open box then only, we are able to see the pencil. So to inculcate all these six messages, First of all we have to come out from our inbox-As an open minded person.



**KRUTARTH JOSHI**  
PRINCIPAL  
DAHOD



# Every Solution Leads to a New Problem- Cycle of innovation

Was Invention of Motor Vehicle really a solution in all sense? No it lead to many problems like pollution, accidents, congestion etc.

Solution and problem are two opposite extremes. Whenever there was a problem there needed a solution for it. But the problem did never end; it continuously emerged in one form or the other. That is why every solution breeds a new problem.

Since the inception of life when mankind was alone and uneasy; he found the solution by living in unity. But it was not the solution of his problem. When the societies grew in large proportion there erupted various forms of ideological, religious and territorial conflicts which led man towards destruction and oblivion. After the emergence of nation states which were meant to end the perpetual unwanted wars the world was divided into "we" and "they" The mighty and haughty attitude of big states devoured many a small ones. Hundreds of wars waged and millions of lives were lost. But no real solution to end this unwanted events came before. After the industrial revolution the world witnessed many stray ideologies of secularism, capitalism, and communism. It further compounded confusion. Neither the capitalist and secularist are satisfied nor the communist are happy. Their solution is momentary cessation of hostilities; they badly need a solution.

The sense of insecurity grew further when the mortal men got Nuclear weapons in their hands. Though the atom was desired and meant to secure a nation from external onslaught but the present situations depicts that instead of being secured by atom, atom needs the security by men.

Generally the state's institutions are formed to facilitate the interest of society. But what happens in our society those in charge of maintaining law and order



and securing public interest are the actual looters, causing a great many troubles to society. The solution of maintaining law and order situation turned into a never sought situation; and this is the case with every government institution.

With the industrial revolution around the world, the general need was felt to consolidate the industrial sector. We somehow embarked upon the journey of industrialization. The world echoed with the voices of 'climate change and environmental degradation'. Thus, the aspiration of men of industrial progress is causing degradation of our environment. The climate change has left severe affects upon our lives in general and environment in particular. Man's solution of industrialization brought him unending problems.

We cannot get progress unless we are educated in modern technology. The modern education is generally in English. This has created sections in society: liberal modern English speaking elites and radicals and theologians.

In search of enhancing agricultural

production men embarked upon mechanization of agriculture. They used several technical methods to enhance fertility of soil. This agricultural revolution has had magnified production and made it easy to control. On the other hand hundreds of laborers became labor less, due to machination of agriculture. This solution has also generated many other problems.

With the good health care facilities available easier than never the death ratio has been comparatively decreased. Many lives are being saved. Life expectancy has been enhanced. But again here the new problem haunts of population explosion.

Man is running into 21st century where he may have everything at his heart's content. Media is a magnificent manifestation of his, perhaps, mindless endeavors. Media performs many a functions in our society including news, information and entertainment and business purposes. It is the milestone of 21st century which has caused shrinking of world space into a global village. The

negative effects of media, which society is experiencing, were never taken into account before. Media is causing psychological disorder through bombardment of information of every sort, cultural schism and the globalization of immoral tastes and tendencies which we taste today. It has created a cultural vacuum by importing alien ideologies, contrary to our religious ethical values.

Gone were the days when the lovers used to wait for days to have a correspondence from their beloved ones. Mobile phones have revolutionized our life. We are thankful to this small gadget. But it is causing many problems. Excessive mobile phoning has severe psycho- psychical effects. It is causing considerable amount of environmental hazards, too.

Internet, in our life, is a recent phenomenon. It facilitates various socio economic and educational tasks. It has great educational and economical value. Social networking is permeating in every section of society. But it has many adverse effects. Pornography and internet addiction is causing individual isolation from society.

Electricity is a vibrant force in changing our life through which we have turned every hut or house into light. Electricity is a contributing force towards revolutionizing our life. But this electricity takes lives, burns property and responsible for many other losses.

There is never any eternal solution for any problem. Problems can never be solved in total but it can be lessened to a considerable level though employing tactful techniques. It's an infinite loop.

But at the same time I believe eternal things know eternal solution. Only eternal thing I know is "Soul". If you can make your soul connect to your mind via some mechanism like one mobile phone communicates with another, you can probably get an eternal answer. That mechanism I believe is "Spirituality".

What spirituality is and how it connects your mind, body and soul will try to explain in another article based on my very limited knowledge, my interaction with people and experiences.



**DINESH P LALWANI**  
SOLUTION ARCHITECT WITH  
ERICSSON - PUNE

## "YOUR HANDWRITING IS THE MIRROR OF YOUR PERSONALITY"

Good writing gives energy, whatever it is about — **Marilyn Hacker**

"असफलता एक चुनौती है, इसे स्वीकार करो, क्या कमी रह गई, देखो और सुधार करो। जब तक न सफल हो, नींद चैन को त्यागो तुम, संघर्ष का मैदान छोड़ कर मत भागो तुम। कुछ किये बनि ही जय जय कार नहीं होती, कोशिश करने वालों की कभी हार नहीं होती।"

Neat and beautiful handwriting always seeks the attention of others.

When we see a person, we judge him by his or her appearance and with his or her personality. But when we see someone's written work, we judge him by his or her handwriting. Handwriting is a part of our identity and is an essential tool for communication. The process of handwriting promotes clear thought and tells

about the personality of a person. Beautiful and neat handwriting is a skill and to develop awareness and love for good handwriting,

Every student have their own font and can be encouraged to present their best handwriting.. The importance of good handwriting was re-emphasized through the competition. The competition brings out the talent and creativity of the students.

**MR. ATUL CHAUHAN** is a professional calligrapher and has a past in Aviation. He is a motivational speaker and a handwriting expert. He also runs an Institute training kids



Interviews taken by Young reporter's student Ms Ekta

to inculcate good handwriting. Mr. Atul said that handwriting is an asset and it is very important for a child to develop the skill of good handwriting and neat presentation shows that a child is confident about what he writes. Many children face problem in maintaining good handwriting as they need to increase their speed while writing as they grow up. To this problem, Atul sir told that the children should practice one paragraph each day either from a newspaper



**MRS. RANJANA ARGADE** judged the Hindi handwriting competition. She is a lady who has got a rich vocabulary in Hindi. She said that the fact is that all the subjects have their script in English that's why children are not so interested in Hindi. She also suggested the children to develop a habit of reading and writing Hindi regularly.



# Open the window of your knowledge TOWARDS THE HUMAN RIGHTS!

## Do we think its important!

Yes people as a whole would agree with its importance as it reflect the lowest graph required for the people to live with dignity and give right for their personal likings too of living with freedom and without hesitation can choose their own way of living style in the society .

Related their freedom of democracy they have right to think and choose what kind of government they want to support and many issues are their where they can put their opinion and can raise their voice with proper channel. The human rights includes the fulfillment of the basic needs such as food, cloth ,housing and now it includes right to education too for every upcoming youth. In other term we can say its very important for the society to know its importance as it guarantee the life, liberty, equality, security ,education, protection etc., But the most important thing is that the rights which are framed should be voiced in front of authorities. Therefore it is very important that every one should be aware of his or her rights. If not ,can take help of legal advisors to know their rights, Now a days due to internet its has become global to know within a search of one minute the rights of any of the country. Mobile has captured every individual and have connected as a whole with everybody. Due to technology the approach has become very easy to get the justice. In this 21st century human rights framed by the country ensures that all human being will get equal chance to develop themselves by using the qualities like intelligence ,talent and conscience and will hold the right to have the satisfaction of her or his spirituality as per her or his likings and can excel in the chosen carrier with the mentioned norms. Many examples we can see in our country which has proved that human rights have given growth in all aspects to the person who have taken it as an opportunity. Thus no one can force to do anything which you are not willing to do..This is also the human right.

It is a universal standard and It is a component of every religion and every civilization.

To safe guard all the people from grave and sustained violations of human rights, and also to protect the population from the consequences of humanitarian crises, whether it is caused from nature or due to man-made, it is the prime duty of every state.

## Universally announced declaration of the Human rights are:

1. All living human beings have freedom and equality: People are born free and have their own aspects of thinking and applying the ideas into implementation. According to the right all human beings are treated in the same way.
2. No discrimination is allowed: This right is for every living human being, this right prohibits to even know the gender of the baby before birth. No differences are allowed in giving education, no difference in racism The right to protect, not be decimated on any of the part whatever our difference may be.



3. Freedom of living: Here people are protected to live according to their freedom and choice with safety. No outsider can interfere in their personal independency .In India , still Indian culture has given right to interfere and give their opinion on their children and on their blood relatives people, It will not be the offence but to force them to do the things which can take their freedom and can harm their life becomes offence.
4. Nobody can make slave to an individual, society, state or country: Doing service is a different thing, but no body hold right to make you a slave. So your ancestor may be slave but now, this right makes you free to enjoy your freedom. No one can claim on human that he or she is his or her property.
5. Right defence from being tortured: This right protects from being tortured whether it is physically or mentally. No body hold right to hurt you or torture you for any of the reason. This right protects you to come up with your un happening situations and its your right to live comfortable without mental stress.
6. All human being holds the same right to use the law to get justice: The law framed is equally applicable to all the human being falling in the same situation. Influence , your position, your personality, your designation, your money etc., are set aside when you are found as a culprit. So all persons are same in the eyes of law.
7. Trust on law is protected : The law which is framed must be fairly applicable to all the human being with the same intention to protect their rights and it should not vary what so ever the matter or the influential person be then only the trust of people will be there on the law.
8. Court should treat all the cases with the responsibility: If we find that our human rights are violated by some one it can be approached to the court

and it's the duty of the court to hear it properly and give you the justice.

9. No body can be put in prison: right to move freely , cannot be taken by anyone as no body has right to put any body in prison .Only authority has a right to give imprisonment after the person is proved guilty in the court else if done by anyone else is a consider as a crime.
10. Trial rights are there: The trial should be done in front of public and they cannot be interrogated personally by the opposition party. The person on trial cannot be forced to do anything forcefully.
11. The person is not culprit until he is proved guilty: Until the guilty of the person is proved in the court and the person is found guilty by the authority he is consider innocent only. But it is right of every person to show point out the things which are bad in the society.
13. Person have right to asylum: If a person is not comfortable in his or her country due to any reason he can move to other country also for safety and that country allow for stay as per the case.
14. Nationality right: It's a right of every individual to have country citizenship where the person is born. Like every person is recognized by his or her name same every person have the individual right to have country name on the bases of the native place and according to the made norms.
15. Every grown-up has a right to marry and to make a family: The child according to the mention norms of grown-up age has liberty to do marriage and to get separate according to his or her choice. Nobody legally can interfere their decision.
16. Right of your belongings: If a person hold anything which is his or her belongings then nobody has a right to take it without your permission. Taking pencil ,rubber, etc, pen without asking to the holder is not the offence but it shows your manners

and your values. But the small habit can grow in big offence if the nature remains same with the growing age.

17. Right to thought: It's the right of every individual person to have the thought of freedom ,to think to follow any religion though he or she holds any specific caste. It is right of every citizen to believe in what they want to believe.
18. Freedom to speak: Freedom to speak on the topic what is right and what is wrong in the society. You are free to say what you want, but it should not spoil any one's image unnecessarily. To share the ideas with other people freedom is there, to say what you think in opinion form.
19. Freedom to meet where you like: No body can compel to meet you only in specific areas. It's the right of every individual to choose the place of meeting made for public. All have right to meet their friends and work together in peace.
20. Democratic right: Every citizen of the country hold right to take part in the government of our country. Every grown people holds rights to choose their own leaders according to their role model and can vote according to the norms.
21. Social security right: Human being have right to take affordable house, medicine, education and child care, can save enough money to live on and can insure money in different ways .
23. Labour's right : To earn money it's the right of every grown up people to earn for himself and for family, so right to do job and have fair right to get the appropriate wage according to the work done ,have right to join trade union.
24. Right to rest and play: Its the human tendency that person cannot work 24 hrs continuously. Rest is needed for the body and even for brain to work efficiently ahead. No human can be compelled to work restless beyond the human capacity. All have right to rest , work ,relax and to rejuvenate ..
25. To intake healthy food: All have right to take good amount of healthy food as per their survival status. All people whether mother, father, children, old people, unemployed or disabled unconscious, went in comma ,all people have right to be cared for.
26. Right of education: It's the most important freedom which is very necessary for the growth and development of the country. This right will make to know all your rights automatically. There is no age of learning but schooling for adult learners are differently arranged. Interested persons can learn according to their convenient timings.

All rights can be enjoyed properly and country can live in peace when all the rights are in proper order followed by every individual and we should realize a duty to other people also and should protect their rights and freedom.



**MS. POORNAM DWIVEDI**  
EDUCATOR, AHMEDABAD



### Match the proper pair



### All Kind of People



### SUDOKU

1			2			3		6
9					7	4	2	
	7							1
					4	5		7
	1		9			6		
2	4	5			8			
	5	8	7	3	2			
	6						3	
			9					4

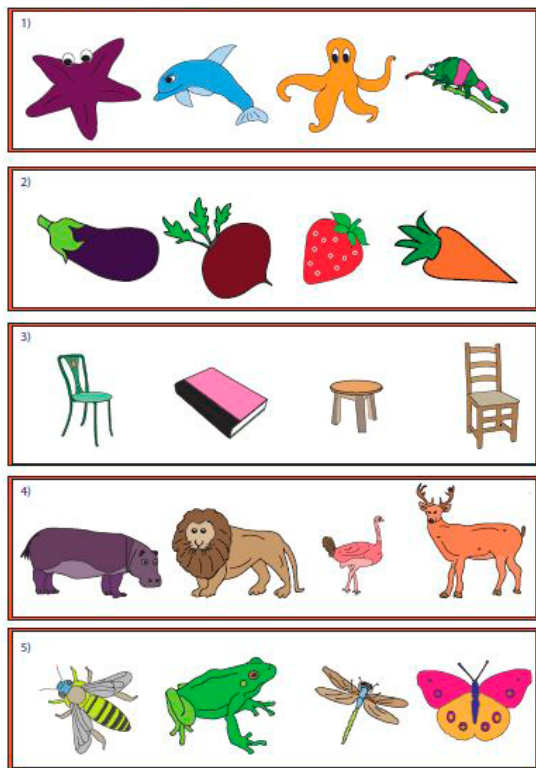
**How to Play :** Fill each of the blank boxes with the number grid from 1-9, with no numbers repeating in vertical, horizontal rows or 3x3 grids. Do not repeat any letters in a line. Each puzzle has only one solution.

### FIND THE DIFFERENCE

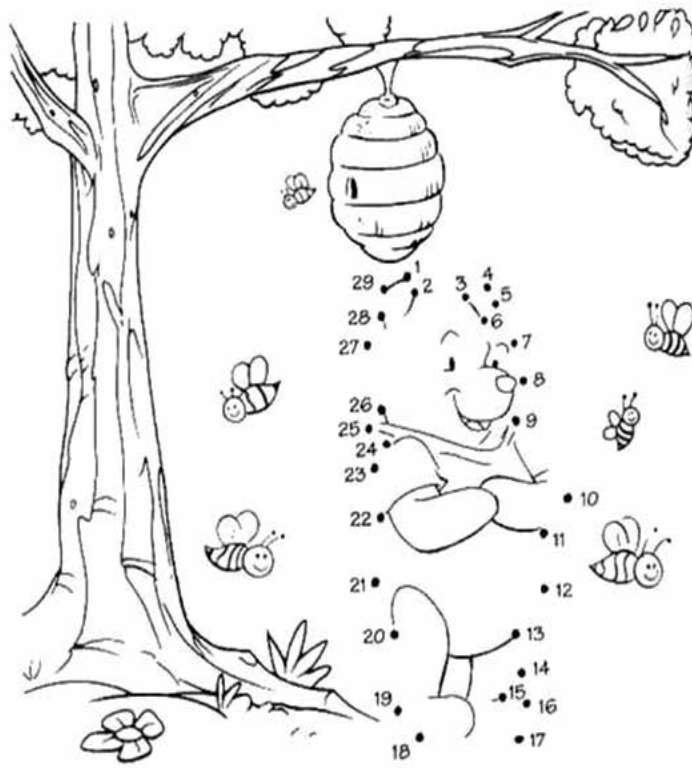


### Find the odd one

Circle the picture that is different in each row.

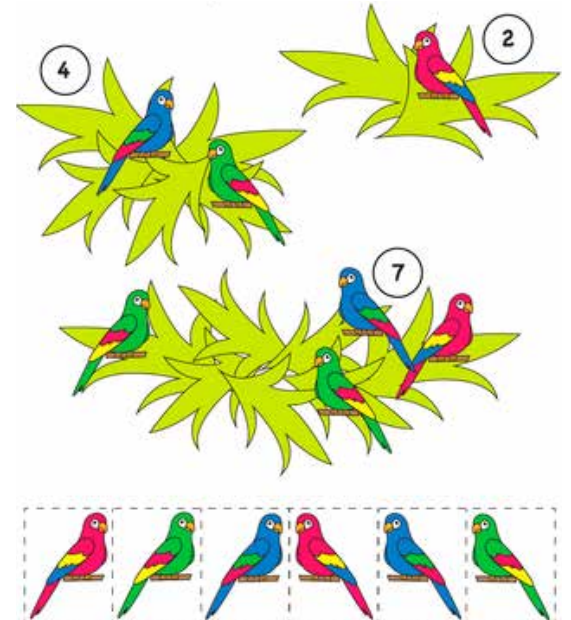


### Connect the numbers

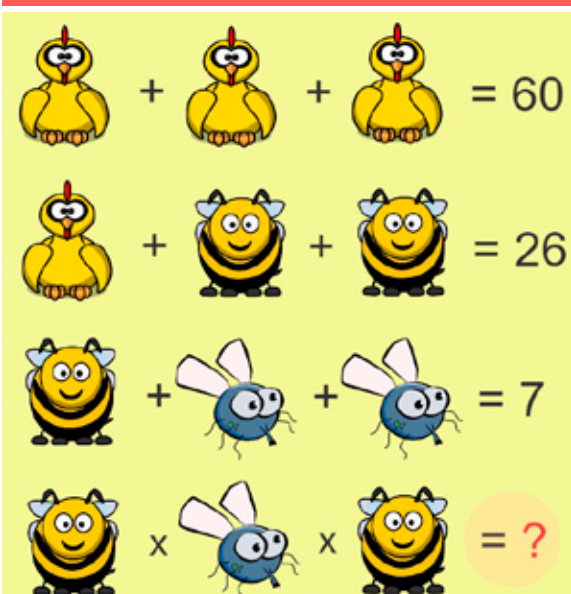


### Cut-and-Paste counting: Parrots

These treetops are missing parrots. Cut out each parrot below and paste them onto the treetops to match the numbers written.



### Add the pictures



### Find the way



### Circle the words have 'e' letter

lay	bay	tap	wed	Red
wed	map	nap	hay	way
way	cap	tap	bed	hay
Red	hay	nap	map	wed
bay	nap	tap	cap	Red
way	map	cap	bed	way

END

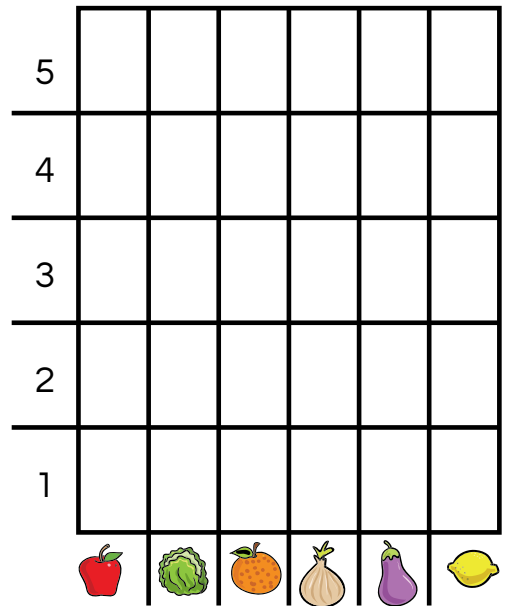
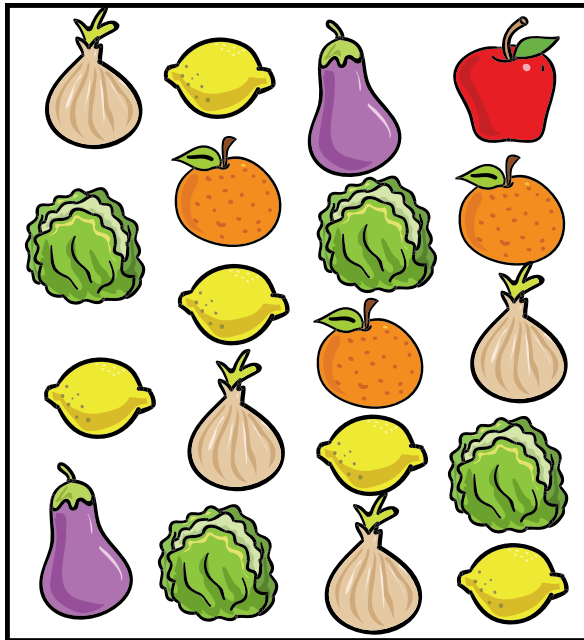


### Match the proper things



### Our charming Chart

What a wonderful garden! These living things are growing quickly! Let's use a graph to show how many of each thing we have. Count the vegetables and color in the chart next to the correct picture.



### Sequence the pictures in order of 1 to 4



Cooking food



Washing hands

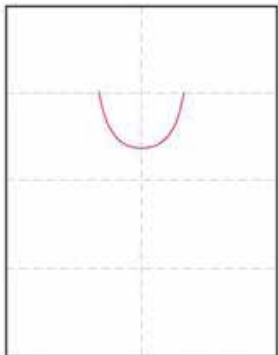


Eating food

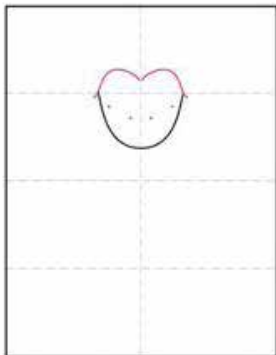


Drying hands with towels

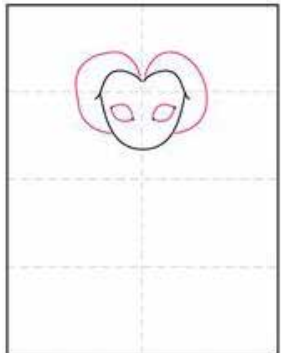
### Complete the picture in steps



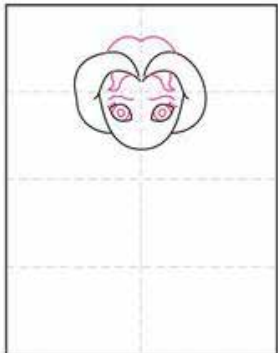
1. Make guide lines. Draw a U shape.



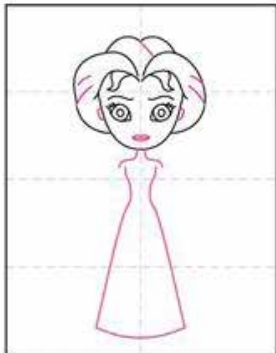
2. Add hair line. Make dots for eyes.



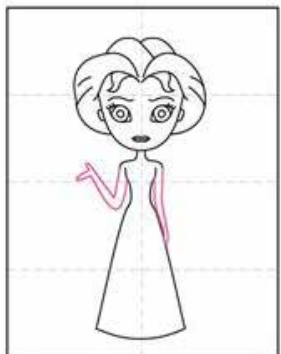
3. Connect the dots for eyes. Add hair.



4. Finish eyes, add bangs and top hair.



5. Add head details. Start the body.



6. Draw the two arms.



7. Draw the clothes details. Start braid.



8. Finish braid, clothes and snowflake.

### ART CORNER



**KHUTI TEJAL N.**  
NANA ASOTA PRATHMIK SHALA



**DHAVNI PATEL**  
SRI SATHYA SAI  
VIDYA NIKETAN



**SALLA TEJESH**  
KV ONGC SCHOOL

### WINNER OF NOVEMBER



**JENEET M. PATEL**  
Mother's Pet School



### FUN WITH COLOURS

Your drawing should reach us by 20/12/2017 at  
The Open Page, 4th Floor, Vishwa Arcade, Nr. Akhbar Nagar,  
Nava Wadaj, Ahmedabad-380013

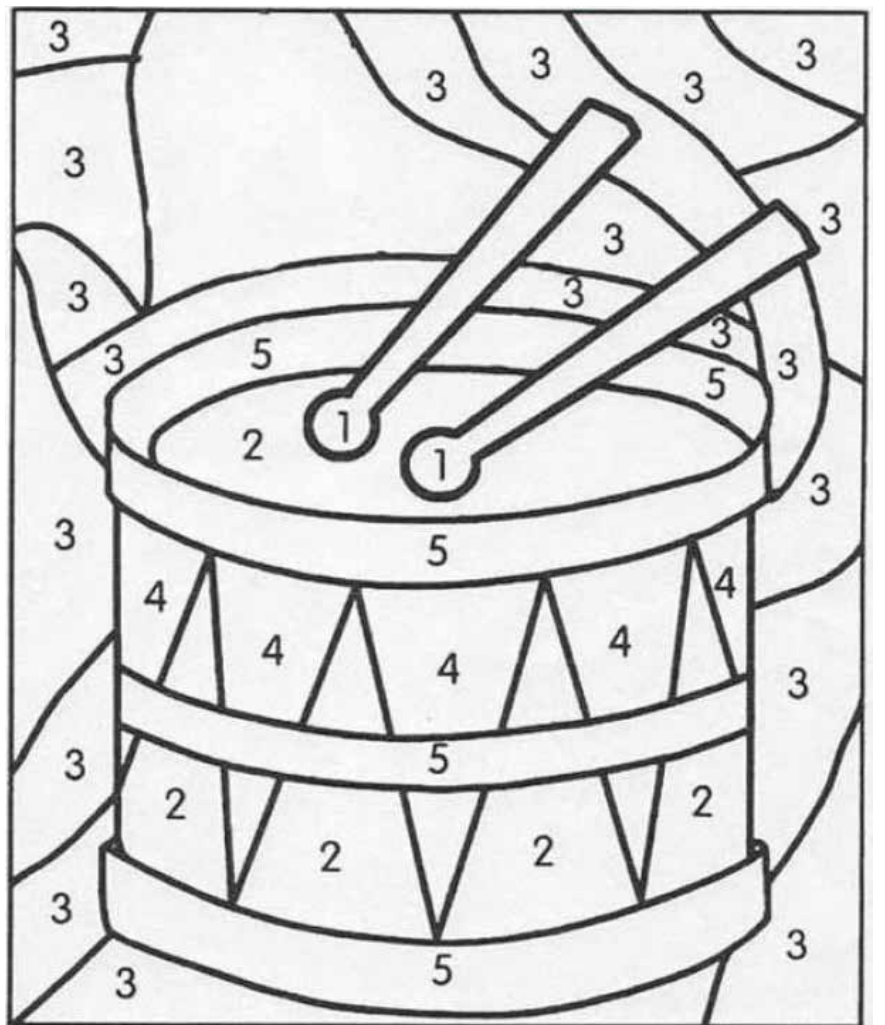
GIFT FOR  
BEST  
COLORING

Name: \_\_\_\_\_

Name of School : \_\_\_\_\_

Std: \_\_\_\_\_ Mobile No.: \_\_\_\_\_

Photo





## WHAT IS NOBLE?

The great scientist Alfred Nobel is being remembered for his work, mindset, character and for the inception of NOBEL PRIZE.

On 27th November 1895, Alfred Nobel signed his last will, donating a huge share of his wealth for the betterment and enrichment of the society. Alfred Nobel died in 1896, the 10th of December.

The Nobel Academy was established in 1901, with the 1st peace Prize to the founder of Red Cross Henry Dunant. His Red Cross Organisation (ICRC) received this Peace Award thrice.

In 1968, Central Bank Sverige Riksbank of Sweden started the Economic Science Prize in the memory of Alfred Nobel.

In Nobel Prize, the recipients get three memorable documents i.e.

- Nobel Diploma (certificate)
- Nobel Medal



**AVANTIKA BHANJA**  
STUDENT, H.A.S.V-SURAT

c) Document having Prize money.

Medals: - Handmade and 18 carat green gold plated with 24 carat gold.

Money: - Every year, this prize money varies. In 1914, the amount was 8 million. This year, it is 9 million.

There is a possibility to award these prizes jointly and in these cases, the prize amount is shared by all with individual diplomas and Medals.

Further, if no winner or suitable candidate is found for a particular year, then the reserved prize money will be kept for the next winner.

Till now 911 people and organisations have received this prize money at 579 occasions.

There is a Greek theory regarding Nobel prize symbol that God Apollo wears a laurel wreath on his head; a Circular crown made of branches and leaves of the bay laurel. Hence, this peculiar aspect is the highlight of the

### ADOLF HITLER FORCE

Three Germans were forbidden to receive Nobel prize due to the order of Adolf Hitler, but later on they collected their medals without prize money.

Carl van Ossietzky from German, Aung San Suu Kyi of Myanmar and Liu Xiaobo of China, these three laureates got their awards while they were under house arrest.

Further, Jean-Paul Sartre (1984 for Literature) and Le Due Tho (1973 for peace) refused to collect their awards, as they did not believe in recognition.

Last year singer Bob Dylan received the award which created a controversy among the global thinkers.

apex body to honour any Laureates.

The youngest winner of the Nobel prize is Malala Yousafzai, aged 17 years, of Pakistan, who received it in 2014, along with an Indian citizen Kailash Satyarthi. Earlier, this record was held by Lawrence Bragg, who was at the age of 25, received the award in physics.

The oldest recipient was Leonid Hurwicz who was at the age of 90 received in 2007.

Controversy and walkout from the ceremony is common in Nobel history. Till now, only 48 women have received this prestigious award.

## A TRIP

It was after so long that I had stepped out of this place called home, stepped into freshness and liveliness.

My lips Curved when I boarded the flight which was actually going to land at place I call Freedom.

I could see the blue sky, feel the tiny grass touching my feet gently.

I walked towards the light of happiness,

ended up being in a place which was surrounded with water.

the sand was cold the sun rays were mild,

and what should I call it a perfect day? Adjectives, phrases are less to describe this place.

I woke up and I could hear the sound of waves and not the alarm.

I could walk around the garden surrounded with sunflower and not by my boring classmates.

I could see the inner me being happy after so long.

that wasn't my end because even if I want to travel I can't travel forever,

though I did not ever wanted to go,

but I had to achieve something else first,

then one by one the bubble of my dreams I will burst

— Janwee Mukim,  
Student, LML school



— Shivangi Dasgupta, LML School

International Tea Day is observed annually on December 15. It has been celebrated since 2005 in tea producing countries like Bangladesh, Sri Lanka, Nepal, Vietnam, Indonesia, Kenya, Malawi, Malaysia, Uganda, India and Tanzania. In 2015, the Indian government proposed expanding the observance of International Tea Day through the UN Food and Agriculture Organization. International Tea Day aims to draw global attention of governments and citizens to the impact of the global tea trade on workers and growers, and has been linked to requests for price supports and fair trade. As we are celebrating this international fete, let's enjoy a cup of this aromatic beverage from some corners of the world.

We start with the country of long, inviting beaches and a variety of spices – Morocco. The Moroccan people being as unique as they are, have the tradition of serving their mix of mint, green tea leaves and a generous amount of sugar called the Touareg tea, three times to the guests. Each time the flavor varies slightly but the high to slim delicate glasses and the alluring texture of the tea makes it hard to refuse either of these servings!

Coming to the second largest producer of tea in the world, India, known for its colors, traditions, and culture is also

## INTERNATIONAL TEA DAY



very famous for its masala chai. For Indians chai is not just a mixture of black tea leaves with some spices like cinnamon or ginger, for them it is the fuel of life, it is the medicine for someone's headache or the brew which binds India together. Chai is the quintessential element to every Indian family, their mornings start with a sip of chai in their living rooms to have a lively chai talk, it involves all the topics be it politics or their children failing an exam! Going on the streets of this beautiful country, we find vendors called chai wallahs selling this luscious brew in clay cups made from local earth. The earthly smell of this beverage makes it the national drink of India.

Moving on to the largest producer of tea in the world, China. China being the

country of pride and discipline have a very systematic and gradual process. Guests are invited to smell the leaves before brewing. This is just the first of many steps, along with warming the cups with a wash of the tea's first brew. The second is drinking, and the tea will be ideally be poured by arranging the cups in a circle, pouring from high in one continuous motion, around and around until each cup is full. Guests are expected to cradle the cup—and its accompanying saucer if there is one—in two hands, to sip slowly and savor the flavor, and then cradle the empty cup to relish in the aroma after the tea is gone.

Let's end this journey with a sip of Malaysia's tehtarik. This brew contains black tea, sugar, and condensed milk. This beverage is famous for its distinctly frothy texture which is very hard to achieve. Malaysian brewers pour the beverage back and forth between mugs, giving the liquid repeated access to cool air as it flows from one glass to another. As this tradition developed, so too did the showmanship of its making. To watch tehtarik being mixed is to witness an elaborate and energetic dance, where the brew behaves as a partner, leaping to and fro without a drop ever being lost!

## BIRTHDAY WISHES

### SALMAN KHAN 27 DECEMBER 1965

Abdul Rashid Salim Salman Khan (born 27 December 1965), known as Salman Khan and with some fans call him Bhijaan,, is an Indian film actor, producer, television personality, singer and philanthropist. In a film career spanning more than twenty five years, He has a significant following in Asia and the Indian Diaspora worldwide, and is cited in the media as one of the most well-known and commercially successful actors.



### SHARMILA TAGORE

Also known as Begum Ayesha Sultana; born 8 December 1944) is an Indian film actress known for her works predominantly in Hindi cinema. She has received two National Film Awards and two Filmfare Awards for her performances.

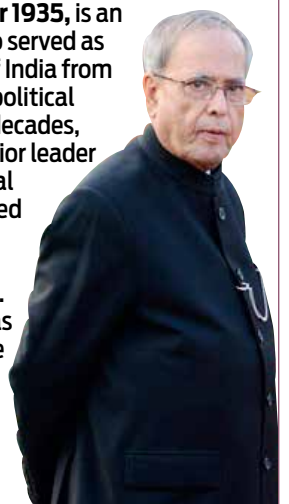
### GOVINDA AHUJA

Born 21 December 1963, known mononymously as Govinda, is an Indian film actor, comedian and former politician known for his work in Hindi films. Known for his dancing skills, Govinda has received twelve Filmfare Award nominations, a Filmfare Special Award.



### PRANAB KUMAR MUKHERJEE

Born on 11 December 1935, is an Indian politician who served as the 13th President of India from 2012 until 2017. In a political career spanning six decades, Mukherjee was a senior leader of the Indian National Congress and occupied several ministerial portfolios in the Government of India. Prior to his election as President, Mukherjee was Union Finance Minister from 2009 to 2012, and the Congress party's top troubleshooter.



Education: the path from cocky ignorance to miserable uncertain — Mark Twain





# YOUR CAREER, YOUR CHOICE OR CHANCE

Go a little slow, but try reading it all. At the outset a few questions will get you in the mood. There are phases in the education cycle from kindergarten to school to college to universities to jobs of all kinds – nation, community, entrepreneur, skilled, scientist, doctor ...an extensive list. We are still at the start. So GET SET....wait don't GO.

Here I am trying to make you understand how your planning, likes and choices will shape up your future academic decisions. You have been asked many a times what you want to be when you grow up and your diligent response, so prompt you should have said it a 100 times. Sit back your preference has changed by large and don't worry if it changes a million more times. You grow, take in whatever comes your way and each time it gets the flair of the attribute that coincides with you.

### What after school?

Everyone needs to grow and go ahead. No more counting of 13, 14, 15 after XII but yes degrees matter along with value added learning through making up your mind.

### What is Mind mapping?

It is the drawing of ideas and the relations among them. In our case it is choosing suitable further studies on interested field to learn and grow

### What is Career?

A career is an individual's metaphorical "journey" through learning, work and other aspects of life. In simple words, what you want to be and ought to do.

### What is Career choice?

The flowchart is again simple – assess your strength considering your entry level potential/ interest, explore the available options, shortlist the better ones and make the career choice accordingly but judiciously.

### What may be the dilemma amongst most of the esp XII students passing out?

If one is choosing a field of interest / study by chance and the second is opting the predetermined field by choice. What is your answer? Choose by chance or, by choice.

### What are the major categories of possible career option courses (advanced studies) after XII?

In generic terms, if one is educational course, the other could be professional courses. Some



EDUCATIONAL COURSES	PROFESSIONAL COURSES
<ul style="list-style-type: none"> <li>Continuation of studied subjects</li> <li>Lot of scope of study - varied</li> <li>Continuation for further degree</li> <li>Lacks skill component</li> <li>Optional career opportunities</li> </ul>	<ul style="list-style-type: none"> <li>Subject vary and wide</li> <li>Scope of study - concentrated</li> <li>Continuation for further degree</li> <li>Skill, knowledge and competency</li> <li>Specialized career opportunities</li> </ul>

attributes may help in the illustration:

### Who can counsel you on this?

Do you require any one, definitely, yes. Experience matters. The list is endless - elders, parents, friends, teachers, tutors etc. who come into the role of subject or professional counselors

### What Is Counseling?

Counseling refers to the process of helping a person by providing guidance, moral support, and exploring solutions for the problems being faced, based on a good rapport and trust.

### What Is Career Counseling?

Career Counseling is a process that focuses on helping one understand one's own self, as well as work trends, so that one can take an informed decision about career and education.

### Why Does anyone Need Career Counseling?

When you graduate from school, it is absolutely normal to get carried away by peers, suggested options at home, friends and relatives and also teacher insights apart from getting inclined through social media promotions like role models or you pick up something completely out-of-the-box which none accept or relish but agree for you to do it. To streamline and hand pick the selected few, you require career counseling to know

- What to study to be one ( zero down)
- Where to go to study
- How to reach the right place to learn
- Whom to check and when
- Are there enough institutes to cater to
- Are there enough qualified professors to bank on

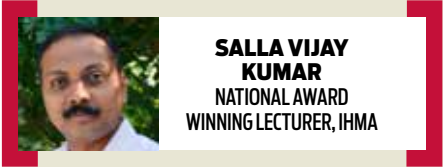
- Are there facilities and infrastructure to call it equipped
- Does this exercise seem to accomplish your goal

### Why is counseling exercise required for us?

You've heard the old saying "You don't know what you don't know." With career counseling, you will undoubtedly gain more knowledge about occupations, new certificate and degree programs, and what it takes to transition into a field that makes sense for you. Career Counseling is done during the ages 13-17 years (8th standard to 12th standard) when many changes take place in the lives of the students, both physical and emotional, so this time is which positively affects the choice.

So don't just jump or switch to courses/ options - assess your strength considering your entry level potential/ interest, explore the available options, shortlist the better ones and make the career choice accordingly but judiciously.

All the best for all your future endeavors.



**SALLA VIJAY KUMAR**  
NATIONAL AWARD  
WINNING LECTURER, IHMA

## A little boy, Vijay, worked as a waiter in a restaurant

He moved around nervously with a heavy jug of water, wearing the same white shirt with patches on it due to the curry which was spilled on it. He was trying to keep that white shirt clean lest the senior waiters should scold him. He couldn't have been a day older than 12. He did all sorts of odd jobs like washing dishes, cleaning tables etc.

This eatery is one of those roadside eateries where youngsters come and have snacks or at least middle class families could afford visiting it once in a month. Sometimes someone would asked Vijay how old was he as his innocent eyes would easily garner sympathy from others. His hesitant smile was his usual reply. Some of them thought that he should join school and should leave this job as it was not his age to work. They felt genuine concern for this child pouring wa-

ter and removing used plates from tables when he should have been kicking around a football on that hot Saturday afternoon.

While some of them thought that maybe this child's income from clearing out tables is what puts two meals on his own table at his house. But Vijay was torn between his childhood and his livelihood. With this never-ending debate waging inside many people they left the restaurant, with a heavy heart . All they could do was leave a generous tip, and hope that at least a part would reach the child. Vijay never thought of getting out of this restaurant because he had to work whether he liked it or not.

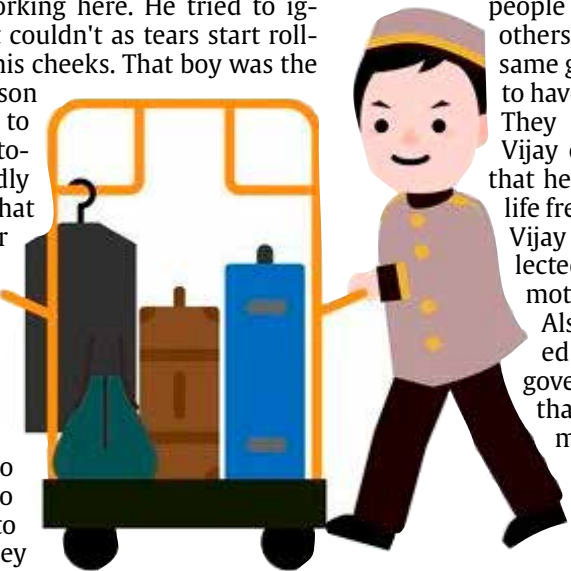
It was a usual evening. Youngsters were having food in this restaurant when one of the members of that group called him and asked that why

was he working here. He tried to ignore it but couldn't as tears start rolling down his cheeks. That boy was the first person who cared to know his story. Very sadly he told that his mother was his only family, she was suffering from a fatal disease and so he had to work to earn money for her treatment. Everybody had sympathy for this little boy. They paid the bill and went away. Vijay thought that these

people were similar to others. Next day the same group came but not to have fun or to chill out. They had come to take Vijay out of this trap so that he could also live his life freely. They informed Vijay that they have collected money for his mother's treatment. Also, they had decided to put Vijay in a government school so that he can study and make his future bright. The only thought those youngsters had was that no hungry diner or a greedy restaurateur should take it away. His childhood was not getting it's due here but he also deserved to enjoy it.



**NIRJA OZA**  
STUDENT, LML SCHOOL







In cricket, we come across varied form of players like Sachin Tendulkar, Virat Kohli, Brian Lara, who are considered 'technically gifted'. Then there are the likes of Virender Sehwag, Vivian Richards, Chris Gayle who come under the category of 'born aggressive'. But is there anyone who can be termed as a 'warrior'? Anyone? Well, there was one who has always stood out for his heroics—Yuvraj Singh. Yuvraj was diagnosed with cancer, but he battled it out and came out as a warrior. The story does not end there, he continued his form across all formats with his comeback. Live example of such knock is IPL 2016.

After the ICC World Cup 2011, it came into notice that he is suffering with cancer. During the course of the tournament, a giant tumor was growing within his lungs every time he played. He was sick, bleeding, spitting blood, but he still continued to fight it off. It was later revealed to him by doctors that he could have died by heart attack without anyone knowing he



had cancer. Leave your work for a moment, stand up and applaud a player who wanted

to win the World Cup for his idol Tendulkar, despite being in pain. He deserves it!

From his 'Player of the tournament' performance in U-19 World Cup to 44 run knock in IPL 2016, Yuvraj has fought hard in the game. But what

stood out amongst the rest has been the fighting spirit he showed in ICC World Cup 2011. Just ask yourself once, what does a guy who won India so many trophies deserve - Stone pelting or the Warrior tag?

All in all, seldom anyone considers Yuvraj a world-class player, but he has done some extraordinary things that have proved fruitful for India. Having nearly sacrificed his life to win his country and his idol the World Cup, he has surely attained 'The fighting warrior' tag, which for me cannot be achieved by anyone else in Cricket.

He says, "Together nothing is impossible - YOUWE CAN."

Truly, Yuvi is one of his kind! Let's wish him this December 12 a very happy birthday!

## YUVRAJ SINGH THE FIGHTING WARRIOR



**EKTA GANWANI**  
HEAD STUDENT EDITOR (YRC)  
LML SCHOOL

## RATAN TATA

Ups and downs in life are very important to keep us going, because a straight line even in an E. C. G. means that we are not alive.

So says a well known man who was, the Chairman of Tata Sons, one of the two promoter holding companies of the Tata group, from 1991 till his retirement on December 28, 2012. He was also chairman of the major Tata companies, including Tata Motors, Tata Steel, Tata Consultancy Services, Tata Power, Tata Global Beverages, Tata Chemicals, Indian Hotels and Tata Teleservices. During his tenure, the group's revenues grew manifold, totaling over \$100 billion in 2011-12.

### CAN YOU GUESS WHO THIS PERSON IS?

THIS IS NONE OTHER THAN RATAN TATA. Ratan Tata was born on 28 December, 1937 at Surat. He is the son of Naval Tata who had been adopted from J. N. Petit Parsi Orphanage by Navajbhai Tata.

He is a man of kindness with simplicity leading his life. He has written a poem, one of its line says, "You like to sit at Taj and Marriott but what you enjoy the most is to have tea with friends on a roadside tea



stall."

"I don't believe in taking right decisions. I take decisions and then make them right" he said. Doesn't it make very clear why is he so hard working and successful.

Ratan Tata claims that about 60-65% of the wealth that he has created from his companies goes back to people in the form of education, medicine and rural development, making him one of the biggest pursuer of a number of philanthropic endeavors.

He is deserving winner honored with Padma Vibhushan (2008) and Padma Bhushan (2000).

I would like to end with another inspiring quote of his "None can destroy Iron, but its own rust can! Likewise none can destroy a person but his own mindset can."

—Hardi Patel, Student, LML school

## You are never a loser until you give up!!!

These words were spoken by Murthy as chairman of Infosys, India's Iconic Info-Tech company, on the occasion of Info's 30th annual general body meeting, in which a slides highlighted that Infosys paid Rs. 2,500 crore in taxes last year. Murthy was one of the seven men who started Infosys in 1981 with a capital of Rs. 10,000. Indian's second largest Info-Tech company gives direct employment to 130,000 + employees and indirect employment to several times more employees. And the 7th wonder is each employee has become over a crorepati or likely to become during his or her employment! On August 25, 2011 he turned 65 and became chairman emeritus.

"My life story should be a confidence booster for every average person in the world that he or she can indeed make a difference at least in a small way" Murthy. It have been wisely said that all of us cannot do great things like Murthy did but each one of us can do everything we do greatly. He is one among the biggest wealth creators of India.

His farewell- message to Infosys, "The crucial things we have to do are be firm in pursuing our values, recognize our weakness embrace meritocracy, be open minded about learning from people better than us, learn from our mis-

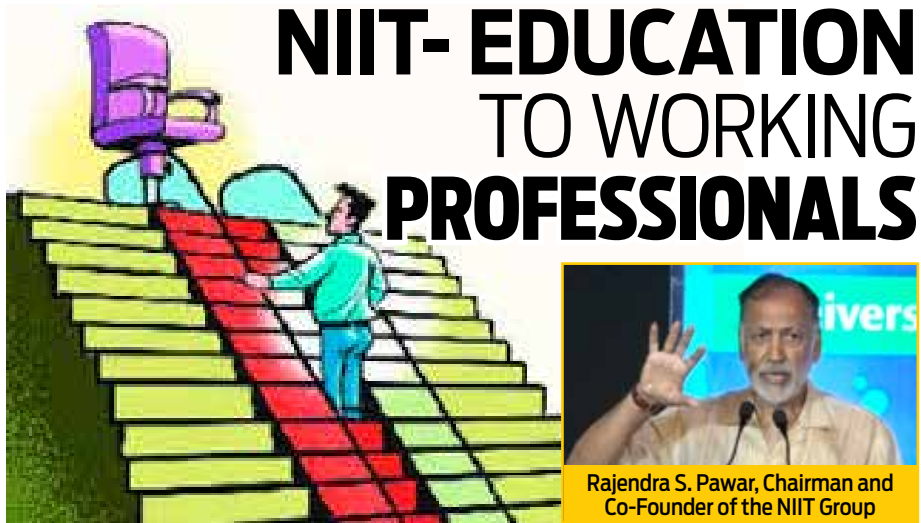


"I AM AN AVERAGE PERSON WITH MANY BELOW AVERAGE ATTRIBUTES. MY LITTLE STORY SHOULD BE A CONFIDENCE BOOSTER FOR EVERY AVERAGE PERSON IN THE WORLD SO THAT HE OR SHE CAN MAKE A DIFFERENCE, AT LEAST IN SMALL WAYS, TO THIS WORLD"

—N.R.N. MURTHY

takes and not repeat them, be humble honest and courteous, be firm in taking quick decisions. Well, this message is universal for every Indian entrepreneur.

Murthy stand for doing business ethically. He gave respect to entrepreneurship, particularly to the middle class creating a sociological revolution. He became a pioneer of entrepreneurship in India. Murthy and his wife Sudha whom I respect the most because she is a devi of simplicity as she wears glass Bangles versus diamond studded bangles have set up a fund called Catamaran (a craft with twin parallel hulls) with their own fund of \$ 2 billion to promote entrepreneurs and entrepreneurship. They also have Infosys Foundation to promote education.



## NIIT- EDUCATION TO WORKING PROFESSIONALS



**Rajendra S. Pawar, Chairman and Co-Founder of the NIIT Group**

The entrepreneur is someone who sights an untapped opportunity. A potential prospect hither to unexplored by anyone else. And transforms this once nebulous thought into concrete reality" - Rajendra S. Pawar

Remember Sholay? Yeh Dosti... well it has gone for a

"sixer"!!! Fortunately in my mind space a new Dosti has come which has done tremendously good for which Indian and Indians by increasing employment thus reducing poverty and too of the aamadmi whose hands are now being held by two IITian friends, Rajendra S. pawar and vijay K. Than-

dani. Most famous friends of today who together founded NIIT in 1981 with the active support and mentoring of their good friend Shiv Nadar.

Today NIIT revenue e is around Rs. 1200 + crore ! Enrollment in first batch was 99 and today it is 5,00,000+ at NIIT centers and 12 million across all verticals. Believes it or not, 125,000 education centers in India, over 200 NIT centers in China and 170 across the world. And to top it: NIIT University at Neemrana, Rajasthan. They are the pioneers in the area of vocational training and skills development. Still sky is the limit because they say 100 such NIITs can exist and this will happen by 2020 and in fact only then our India will become "Sone Kee Chiriya" and milk and honey will flow in our rivers !!

They started their first NIIT centre in Mumbai. They hit the nail on the



head and this is what is called the instinct of true entrepreneurs. Timings was right as IBM had introduced the PC in 1981 and then there were 6,00,000 unemployed graduates. The NIIT founders saw their karamb-hoomi to do good to their country and trillions upon trillions of blessings of the students. Their parents and parents-in-law because they created meaningful jobs.

No wonder NIIT has become the world's leading educational company centered on the promise of employability. In my India, education was always considered as the sole responsibility of the Government of India and thanks to entrepreneurs like Pawar and Thandani, the private sector is doing a tremendously good job of it. Today NIIT has become a start-to-finish outfit schools and a University providing corporate training and development of skills.



# How can a teacher imbibe Professional Approach?

Society respectfully eyes a Doctor, Architect, Engineer, Chartered Accountant, University Professor, etc. but when it comes to a teacher, especially a School Teacher that respect is often taken lightly. In such cases, a teacher loses the charm of his or her role and merely restricts towards fulfillment of duty without much intervention into the fulfillment of the objective of a teacher. As a result the parents often develop hostility for such teacher. However, it is also quoted that "Teaching is the birth place of all other professions". It is a teacher who is responsible for creating all other professions.

Teacher professionalism has always been a topic of hot debate in the education field. Whether a teacher can be called a Professional or not is not in the scope of this article to justify, rather it is a subjective approach and we will not fall into the details of it. What we shall be looking forward in this article is what traits teacher should possess in order to be recognized as a professional and earn his or her respect as a teacher in society.

Undergoing a literature review of the researches done in this direction by different scholars in Education Discipline the following traits can be derived:

## Punctuality

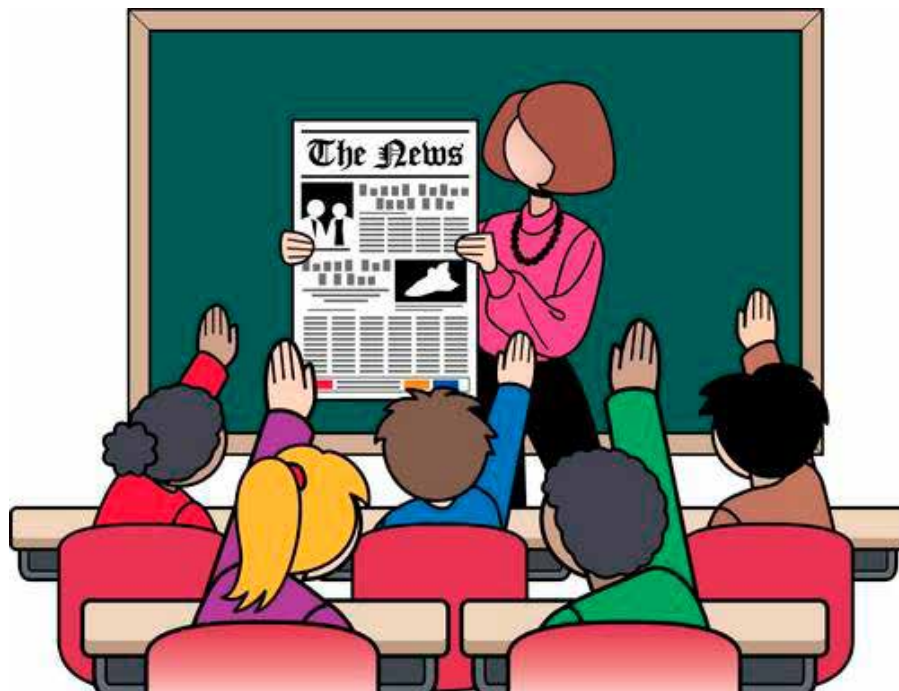
Punctuality means time keeping. It essentially means time keeping in various other errands that a teacher does like reaching class on time, leaving class on time, completing syllabus timely, submitting paper for exam or test in due time, distributing scores to the students on timely basis, submitting mark sheets on time to prepare results, etc. If one is punctual all other things can be compromised or developed. For a teacher meeting the requirements of time, in time, is a must.

## Content Mastery

It is very obvious that a teacher must have the relevant knowledge about the subject he or she takes in the class. Content mastery for a teacher involves full knowledge about the text books and related reference books, having sufficient reference to the question paper and question bank for taking test for the subject, having reference to relevant audio and video content pertaining towards the subject, a charge or attitude for keeping oneself updated with respect to the his/ her subject, etc. Content Mastery for a teacher also refers to the ability of the teacher to solve the doubts of students and rather create curiosity in the minds of students and develop a liking towards his / her subject in students.

## Contemporary Knowledge

Contemporary knowledge refers to know how with present day technology related to the subject. It refers to the teachers' ability to use the present day tools for communication, teaching and learning. A teacher is said to have contemporary knowledge if he



or she is conversant with the use of technology, i.e. computers, internets, android applications, etc. A teacher can upgrade his or her contemporary knowledge by joining in online communities over LinkedIn, facebook, twitter, google+ etc. and having knowledge for the use of Google Docs, Google Scholar, Microsoft Networks, etc. In 21st century where, the world is moving ahead with concepts like flipped classrooms, a teacher must gear up for learning and making use of such technology in the class.

## Physical Appearance

The first impression is half the battle won. A teacher should have a proper dressing sense that will make him or her look respectful in the eyes of students and parents. We do not have to make a fashion show rather we have to maintain a consistency in our physical appearance. A teacher should always prefer a formal wear with standard clothing and colours. A teacher should avoid dressing in fancy and colorful manner. The appearance of a teacher should be pleasing to the eyes and comforting to the heart. As they say, the looks should be suitable, the talks should be comforting and the lesson should be worthy, then the students will maintain their attention with the teacher.

## Communication with Students

A teacher often is having powerful communication skills and that is one of the key skills for being a teacher. However, over the time a person may develop slang communication skills and a fussy attitude calling other persons with names not suitable. A teacher should always call the student with their name respectfully, not only this but a teacher should also help the children establish their identity in the class. While communicating with students a teacher should remember to repeat the instruction necessary number of times. The communication model is of much use in this. It goes somewhat like this:

Intimate → Inform → Communicate → Affirm → Feedback → Follow up.

A teacher should try to follow this model. It will save a lot of energy of the teacher and will enable maximum follow up of the instructions give by the teacher.

## Communication with Colleagues

Having a cordial relation with colleagues is very essential. A teacher should maintain healthy relations with the co staff and under staff. Talking respectfully and not involving in gossips is the key factor in this. In most of the cases an organization is suffering from informal communication flowing in the staff room. Such miscommunication will then reach the class and finally to the parents ending in an embarrassing position for all, the teacher and the school. One should avoid involvement over personal matters of the co staff. Respect towards others opinion, greeting the colleagues, not to criticize others work, etc include in this.

## Delivery Mechanism

This refers to one's ability to communicate effectively to the other person. It is not enough to have the knowledge rather it is more important to deliver the knowledge effectively. The communication should be clear, jargon free, having easy language, and without any bias and preoccupied notion. The teacher should make use of colorful chalks, ready made charts, draw diagrams, and make effective use of technology, education software and other such tools to make the delivery of knowledge easy and student friendly. It also means the ability of the teacher effectively deliver content through digital media.

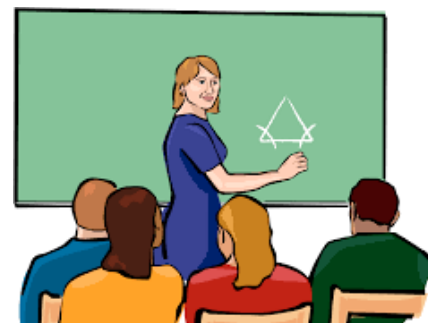
## Pro-Activeness and Follow-up

This is a vital trait for a successful teacher. They always plan in advance for all the activities and lessons and are very pro-active in their approach and attitude. They will have forecast

the situation and will be prepared to handle the situation as and when it arrives. It includes, making lesson plans, assignments, papers, etc. Moreover, informing students in advance about tests, books checking, score distribution, etc. Follow up means to cover up the lesson or homework given. It essentially means to counter check whether the students have understood the work to be done in the same manner as it was delivered. It also involves putting appropriate remarks in students books and papers.

## Counseling with Students

Counseling is the art through which a teacher can bind the students to enable liking for the subject. It is an essential skill that is required in a teacher. Counseling does not mean giving suggestions to students for better career rather it means to know the barriers a student is facing and to enable him / her to go through the barrier and develop a career. It includes group or individual counseling, understanding the student for their strength and weakness, identifying depressed students and help them to come out of it, identifying specially able students and helping them learn the topic with ease. Thus counseling requires patience on the part of the teacher and good listening skills.



## Counseling with Parents

Counseling, when it comes to parents, is very important aspect. A teacher should be able to make the parents understand the strength and weakness of their child so that the parents expect optimum from them. Generally all parents want their children to top in the class but that is not possible. To enable a parent to expect what a child can deliver is an art of counseling which a teacher should do in order to upbring the student without pressure. Counseling is a weapon through which a teacher reform the environment for the child at home and in teachers absence. A teacher should discuss with the parents the issues the child faces and make parents comfortable so that they also open mindedly discuss issues they face with the child at home.

Teaching is said to be incomplete if it is limited to technical teaching. In order to have a better generation a teacher should work tirelessly to develop an encouraging environment for the children and develop them into fine human beings. The present article tries to bring forth the traits of a teacher that will enable them to be professional. Just as in other profession, in teaching profession also the learning outcomes are very important and teacher should maintain the focus on achieving them.



**DR. VISHAL VARIA**  
EDUCATIONIST, RAJKOT





# National Energy Conservation Day



It is observed every year in India on 14th December. This day is observed to bring up in the minds of people the awareness about the significance of energy and its conservation. The Bureau of Energy Efficiency formed the energy conservation act. The focal point of this organization is making people aware for using energy sources resourcefully and save it for the future as well. It also helps to tell the people its importance and make them

acquainted to use it in required quantity only. Many conferences, workshops, debates and events are held for this purpose and every year programs are designed to enhance the awareness of it in people.

The sources from where we get energy are limited in numbers and it takes many years for its formation. It has been observed that we use energy more than what we get from these sources. So it is very much necessary to minimize the use and also stop the wastage of it. Most of the energy which we use is non-renewable like fuel. As per survey it has been calculated that a time will come after some years when these energy sources will come to an end and they will be no more helpful to us. Nowadays, pollution has gone to such extent that it is difficult to control it. By energy conservation we can control pollution especially air pollution for maintaining ecological balance.

Energy conservation means reducing energy consumption and energy efficiency means using less energy in daily use and services. For example, get more mileage by using same quantity of energy. It also helps to put down the cost of energy by using it in less or required quantity only. Many times waste of energy can be stopped by using it in less quantity and also

by maintaining the energy efficiency.

It has been seen that somewhere the energy tax has been charged to reduce the use of energy. It also controls the pollution level for making this world a better place to live in. Somewhere monitoring is conducted for scaling down its consumption. Meters are placed to note down the consumption of energy and to put charges as per its use. Nowadays, buildings are made accordingly.

The windows and doors are places at such angles, so that the solar energy comes directly in rooms. It helps to keep rooms hot in winter season. In this way we can save fuel which is used to keep the rooms warm especially during winter. Somewhere special systems are used to throw back the heat out of the room especially in summer season. This is known as climatic design of buildings. Nowadays Light-Emitting Diode (LED) lamps are used to save electric energy. It is used both in commercial and residential areas. These are the methods by which we can minimize the use of energy and also conserve energy.



**ASHOKKUMAR H. MUNSHI**  
VISITING EDITOR, GALAXY GLOBAL  
SCHOOL, NIKOL, AHMEDABAD



**H**ands Free Hectare is an experimental farm run by researchers from Harper Adams University, in the United Kingdom.

It's harvest season in many parts of the world, but here we will have come to know that one farm in the United Kingdom, robots are the manpower and are doing all the heavy lifting, not the human beings.

It is an experimental farm run by researchers from Harper Adams University, in the village of Edgmond in the U.K., We have seen that about 5 tons of spring barley are harvested from the world's first robotically tended farm and given a very good result. Everything is handled by the robot from start to finish — including sowing, fertilizing, collecting samples and harvesting it has been done by autonomous vehicles on the farm, according to the researchers then work of man power is reduced but some training is required to give the command to the Robotic machines.

The working team members behind this project thinks that robotic technology could improve yields in agriculture, which is necessary if the world's growing population is to be fed in coming years. The problem is tackled by using commercially available agriculture machines and open-source software that is used to guide hobbyists' drones.

"In agriculture, it was a biggest problem to handle all the work as without man power in abundance it was not possible to reach up to results, nobody has really managed to solve the problems of autonomy," said Jonathan Gill, mechatronics researcher at Harper Adams University, who led the project. "We

## AUTONOMOUS HARVEST

were like, Why is this not possible? If we could make it possible the autopilots are relatively cheap, how come there are companies out there that are charging exorbitant amounts of money to actually have a system that just follows a straight line?"

The research team has purchased several small-size agricultural machines, including a tractor and a combine, a machine for harvesting grain crops. With help of technology and throw research the researcher assembled the machines with actuators, electronics and robotic technology that would allow them to control the machines without the presence of a human operator and that is the wonderful part where the inventors have got the success to reduce the burden of a manpower, this they prepared according to their knowledge and worked all the researchers as a team on this project.

They move toward their first stage which was to make it radio controlled, This was their first success step towards autonomy. After reaching on this stage they all moved to prepare preprogram which was needed to be performed into the autopilot system.

Gill's collaborator, Martin A Bell, who works for Precision Decisions, an in-

dustrial agricultural company that partners with the university, explained that the system follows a certain trajectory with preprogrammed stops to perform certain actions.

"The vehicles navigate entirely based on the GPS, and they are just essentially driving towards targets that we predetermined," A Bell said. "At different GPS targets, there are different actions designed to be carried out." So the GPS targets should be programmed well. A Bell said the researchers have put lots of efforts and struggled to make the machines follow a straight line, which initially resulted in quite a lot of crop damage and was not getting the desired result. However, the scientists think they will be able to fix the problem in the coming years and will eventually achieve better yields than a conventionally maintained farm of the same size could produce.

To look after and for continuous monitoring the field and to take samples of the plants, the researchers developed special grippers attached to drones. As soon as the drone flies above the field, the grippers can cut off some samples and deliver them to the researchers. This was one of the relaxation and they received a good output.

The researcher team with the opin-

ion of scientists came to know that the robotic technology could enable future farmers to more precisely distribute fertilizers and herbicides, but could also lead to improvements in soil quality. To fulfill all the required tasks in a reasonable amount of time, farmers rely on very large and heavy machines. In the future in coming times, they could use flocks of smaller robotic tractors and harvesters, the researchers said. As the success will take place there will be a solution to all the segments which will satisfy the need of smallest areas too.

For example, the farmer would be able to apply only to the plants that are doing poorly and wouldn't waste it on those that don't need it, the researchers explained and the machines used in agriculture are large and seems huge in size but, they operate quickly, they cover large areas of ground quickly, but with it comes inaccuracy," A Bell said. "Small machines working with smaller working widths would provide a means to bring the resolution down. Instead of a 100-foot (30 meters) sprayer, you would have a 20-foot (6 m) sprayer, and that's just the beginning of making things smaller."

In the demanding world and very soon in the coming years, they want to focus on improving the precision of the procedures and quantify the effects of the robotic technology on the yields.



**HITEN SHAH**  
IT EDUCATOR, AHMEDABAD



# Be schooled with Amazing facts

- 2016** was officially the hottest year on record.
- The moon** is probably slightly older than we previously thought. At 4.51 billion years old, it formed just 60 million years after the solar system itself.
- Wolf-sized** otters lived on Earth 62 million years ago.
- A crab** discovered 20 years ago on the island of Guam in the Pacific Ocean is actually a new species



- We've been** showering the moon in oxygen from Earth for billions of years.
- It's possible** to get a pig's heart pumping again by wrapping a soft robotic sleeve around it.
- It's possible** to melt a solid below its freezing point in the lab.
- The original** name for the Butterfly was flutterby!
- No two** zebras have stripes that are exactly alike. Zebra's enemies include hyenas, wild dogs and lions.



- Male zebras are called stallions. Zebras usually travel in herds.
- A chimpanzee** can learn to recognize itself in a mirror, but monkeys can't.
- woodpecker can** peck twenty times a second.
- A cow** gives nearly 200,000 glasses of milk in her lifetime.
- The world's** smallest mammal is the bumblebee bat of Thailand, weighing less than a penny.



## Cabbage Patties / Cake

### Ingredients

- 500 gms cabbage, finely chopped
- 2 medium green chillies, finely chopped
- 2 teaspoons garlic, finely chopped
- 2 teaspoons onion, finely chopped
- For Binding
- 50 gms chickpea flour
- 20 gms Rice flour
- 20 gms refined flour
- Or optional plain bread crumbs and water to bind
- Salt, red chilli powder to taste
- Wee bit Oil

### Method:

- Take the chopped cabbage and other chopped ingredients along with powdered spices in a bowl. Mix well.
- Add plain breadcrumbs (optional if the three flours are unavailable) and or a mixture of the three flour along with water to bind it into cabbage mixture.
- Gently form into patties. Shallow fry and allow it to cook well (take care patties not to be too thick and cabbage not roughly chopped else it may take more time to cook and still cabbage may be raw).
- Can be had hot or cold.
- Can be had with or without sauce or chutney.
- Can be had as a snack and also with luncheon.



Chef Salla  
Vijay Kumar  
- IHMA



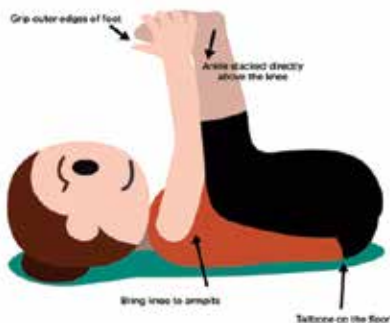
## HAPPY BABY POSE

### BENEFITS

- Being a good hip opener, it needs the strength of the arms, instead of allowing gravity to do the work. Hence, this pose comes under the poses that work with arm flexion or help to make the biceps strong.
- The pose helps release tension from the area of the lower back.
- As mentioned earlier, it helps open the hips, shoulders, and chest.
- The pose also helps stretch the inner groin, spine, back, inner thighs, and hamstrings in a gentle manner
- It provides deep compression of the stomach.
- It relaxes the sacrum.

### DESCRIPTION

- You can begin the Happy Baby Pose by first coming into the lying position on your back. While breathing deeply, you should let your knees fold and bring them to press into your belly.
- Take a deep breath, and with your hands hold onto the outside part of your feet. If you find it difficult to hold your feet with your hands, you could make use of a belt or a scarf that goes over each instep. Bring your knees to widen more than your torso and let them be pushed to your underarms.



- Let each ankle be placed above each knee, so that your shins make a right angle to the ground. Through both your heels, without using too much effort, flex and let your feet be thrust into your hands (or belt or scarf). Let your hands be pulled down so that a resistance is created.

- Your thighs should be brought in towards your body, and your tailbone should be pushed down towards the mat as your spine is stretched. Your pelvis should be released towards the mat and your skull's base should be stretched away from the neck. Make sure that at all times that your hips do not come off the mat. To ensure this, you could let your lower back and tailbone press into the mat.
- This pose can be held for 30–60 seconds. To get out of the pose, you should breathe out, let your feet be released, and place them on the mat. Once you complete the happy baby pose steps you can relax for a few breaths.

## VEDIC

## MATHEMATICS-4

In this article we will learn few interesting methods of multiplications.

**Multiplication of two digit numbers whose tenth digits are same and the sum of the unit digits are 10**

- First multiply tenth digit number with its consecutive number and place it left in the result.
- Now, multiply unit digits and place it right in the result.

46	54	98
x 44	x 56	x 92
(4×5)/(6×4)	(5×6)/(4×6)	(9×10)/(8×2)
2024	3024	9016

$$\begin{array}{r} 73 \\ \times 77 \\ \hline (7 \times 8) / (3 \times 7) \\ \hline 5621 \end{array}$$

\*Here, now you have one question that how can we multiply such big consecutive numbers..?

It is very simple any consecutive numbers is in the form of  $n \times (n+1)$  or  $n^2 + n$  so on.

**Multiplication of three digit numbers whose tenth digits are same and the sum of the unit digits are 10**

- First multiply tenth digit number with its consecutive number and place it left in the result.
- Now, multiply unit digits and place it right in the result.

146	254	473
x 144	x 256	x 477
(14×15)/(6×4)	(25×26)/(6×6)	(47×48)/(3×7)
21024	65024	225621



DR. ATUL VYAS  
EDUCATOR, RAJKOT

$$\begin{array}{r} 798 \\ \times 792 \\ \hline (79 \times 80) / (8 \times 2) \\ \hline 632016 \end{array}$$

## KNOCK YOUR SELF

**1) The number of already named bones in the human skeleton is?**

- |        |        |
|--------|--------|
| A. 200 | C. 212 |
| B. 206 | D. 218 |

**2)Kush Bhagat is associated with which sports?**

- |              |           |
|--------------|-----------|
| A. Chess     | C. Tennis |
| B. Badminton | D. Wushu  |

**3) In which year of First World War Germany declared war on Russia and France?**

- |         |         |
|---------|---------|
| A. 1914 | C. 1916 |
| B. 1915 | D. 1917 |

**4) India has largest deposits of \_\_\_\_ in the world.**

- |           |                      |
|-----------|----------------------|
| A. Gold   | C. Mica              |
| B. Copper | D. None of the above |

**5) Grand Central Terminal, Park Avenue, New York is the world's**

- |                            |                            |
|----------------------------|----------------------------|
| A. largest railway station | C. longest railway station |
| B. highest railway station | D. None of the above       |

**6) What is part of a database that holds only one type of information?**

- |           |           |
|-----------|-----------|
| A. Report | C. Record |
| B. Field  | D. File   |

**7) MOV' extension refers usually to what kind of file?**

- |                         |                       |
|-------------------------|-----------------------|
| A. Image file           | C. Audio file         |
| B. Animation/movie file | D. MS Office document |

**8) The percentage of irrigated land in India is about**

- |       |       |
|-------|-------|
| A. 45 | C. 35 |
| B. 65 | D. 25 |

**9) Who invented the BALLPOINT PEN?**

- |                      |                   |
|----------------------|-------------------|
| A. Biro Brothers     | C. Bicc Brothers  |
| B. Waterman Brothers | D. Write Brothers |

**10) Which scientist discovered the radioactive element radium?**

- |                      |                |
|----------------------|----------------|
| A. Isaac Newton      | D. Marie Curie |
| B. Albert Einstein   |                |
| C. Benjamin Franklin |                |

ANSWERS: B, A, A, C, A, B, B, C, A, D



# Handwriting competition at LML school in collaboration with The Open Page

Handwriting Competition for Hindi and English language was conducted in the premises of Lalji Mehrotra Lions School in collaboration with The Open Page.

LML school is organizing Interschool handwriting competition in English from last 7 years but this time we organized for Hindi language too. The event was held on Saturday, i.e., 11th November, 2017 wherein more than 600 students of more than 10 schools had participated from all over Ahmedabad. This competition was for students of classes I to V. The Chief Guest and the judges for the event were Mr. Atul Chauhan and Mrs. Ranjana Argade.

The event ended with the wonderful words of Mr. Atul which aroused a ray of hope in every child to improve their handwriting and in turn their personality.



# CHESS TOURNAMENT ORGANISED BY ABHINAM CHESS ACADEMY IN ASSOCIATION WITH THE OPEN PAGE

Around 375 chess lovers and little chess masters from 50 different schools participated in the School Chess Championship organized by Abhinam Chess Academy and The Open Page. The tournament was spread across two days 25th & 26th November 2017.

Those two days were filled with the atmosphere of enthusiasm, winning spirit and love for the game. The emotions of all the players were charged up, because around 10 FIDE rated players also took part. The parents of the players gave their valuable presence to motivate their children.

There were 44 prizes. The best school Prizes in Group A(Grade 6, 7) went to Saint Kabir School Navrangpura Branch, in Group B(Grade 8-12) to Saint Kabir School Drive In New Branch, in Group C (K.G.- 3rd Std.) to Udgam School and in Group D (Grade 4,5), it was taken by Tripada Day School.

The Prizes were awarded by the Chief Guest, Mr. Archit Bhatt (Managing Editor of The Open Page and The Managing Director of Tripada Group of Schools), Guests, Mr. Bhavesh Patel (Secretary, Gujarat State Chess Association), Mr. Sharad Singhal (Superintendent of Police, Western Railway Baroda), Hansa Upadhyay (Educator Award Project Leader)

It was a great Sunday for the winners, who took away the trophy, and participants who took away a great lesson and a vow to play and win the next tournament. Parents too spent a valuable Sunday with their children.

## INDIVIDUAL PRIZE WINNERS

### Group A (Grade 6, 7)

- 1) Parikh Urvi – Saint Kabir Navrangpura branch
- 2) Krish Shah – HB Kapadia School
- 3) Ved Shah – Saint Kabir Naranpura branch

### Group C (K.G. - 3rd Std.)

- 1) Shaunak Kava – St. Kabir Drive In Branch
- 2) Prince Gandhi – SH Kharawala
- 3) Gadhavi Veerbhadrasingh – Shiv Ashish

### Group B (Grade 8-12)

- 1) Godhani Maharth – DAV
- 2) Vedant Zala – Apollo
- 3) Shah Manjal – Sardar Patel School Maninagar

### Group D (Grade 4,5)

- 1) Janushi Raichara – DAV
- 2) Atharva Samaiya – Shanti Asiatic
- 3) Krishna Vadher – Amrita Vidyalaya



## BIGGEST VICTORY OF BIS, GANDHINAGAR



Brightians once again showed their talent in sports by securing second place in CBSE WEST ZONE VOLLEYBALL CLUSTER XIII - 2017 which was held in Morbi. Boys Football team consists of students of IX & X. It was a remarkable victory by these students. The school provided them huge campus for practice and the coaches - Virat Pandya, Jayadip Sinh Zala and Kiran Chaudhary worked hard with them.

BIS not only excels in Academics & moral values but it also imparts excellent sports training.

## RACK YOUR BRAIN - REFLECTIONS

Q. In education, the school has faced many critical issues this year, and the larger question is that "How are we going to work together to solve it?"

1. Issues are definitely faced by the education and I feel as a society to make smoother the way, the barriers that get in the way of education should be removed by thinking together by considering all the points which makes the progress of the country. methods should used to acknowledge the issues. should not interrupted the learning of the students.

—Prarthavi ghatke, Ahmedabad

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