



SKILLS FOR THE YOUTH
Read More...

MACVISTA

Skill Development - then and now	1
STEM-ing it up!	4
What is your EI quotient?	5
Celebrating Youth and Skills with the UN	6
Lighten Up, Jokes	7
Riddles	8
Words Search	9
Fun Fact	10
Activity Sheet	11
Comic Strip	13
Current Events Updates	16

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THINK THROUGH IT...

Every skill you acquire doubles your odds of success.

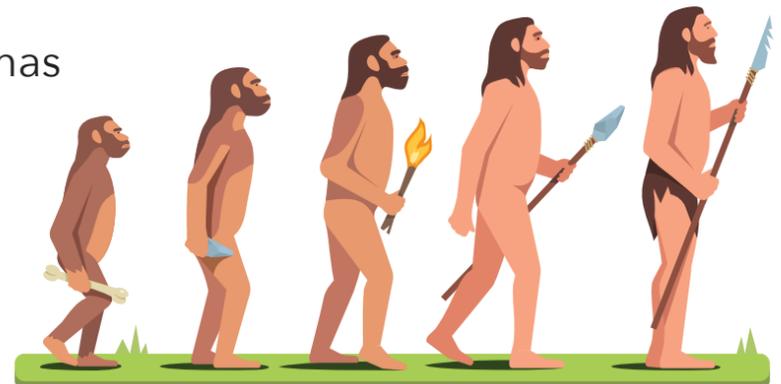
—Scott Adams

Skill development - then and now

Imagine you are living in the caveman age. You are hungry and looking for food. You look out at the frozen lake and see fishes swimming underneath the ice. Genius strikes! Grabbing hold of a stick, you plunge it into the icy waters. But nothing comes your way! Hunger can inspire anyone. You decide to sharpen the stick till it is pointy and then, you try again. Strike! Your fish is at the end of the stick. You learnt how to make a weapon and to hunt. Knowing to use the stick is knowledge but using it as a weapon is a skill.

This is exactly what skill development is. Humans are born with the ability to soak in information and develop skills in order to survive. Every person needs education but without the necessary skill set, it is all null and void. We have progressed from the ancient times and our world has evolved over the years. During ancient times, the skill set required was different. For example, sailors needed the skills to navigate the oceans with the help of stars. While we still need these natural coordinates to sail, now we have more advanced navigational instruments to help us in tracing the routes. One does need the skill to read those maps and instruments in order to make an informed choice.

The growing economy and interdependence of countries has given rise to a need for enhanced skill development for the young generation. Skill development is the process of identifying skill gaps, and developing and honing these skills as an answer to the problems that need to be solved. Skill development bridges the gap between education and proficiency needed for the present and future world.



According to research by the World Economic Forum, the top 10 skills needed in the world today include:

Top 10 skills

in 2020

1. Complex Problem Solving
2. Critical Thinking
3. Creativity
4. People Management
5. Coordinating with Others
6. Emotional Intelligence
7. Judgment and Decision Making
8. Service Orientation
9. Negotiation
10. Cognitive Flexibility

in 2015

1. Complex Problem Solving
2. Coordinating with Others
3. People Management
4. Critical Thinking
5. Negotiation
6. Quality Control
7. Service Orientation
8. Judgment and Decision Making
9. Active Listening
10. Creativity



Source: Future of Jobs Report, World Economic Forum

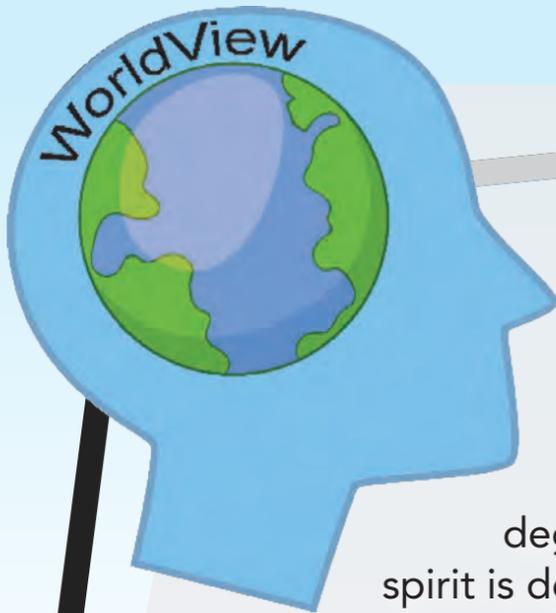
Complex Problem Solving: Focus on real-world problems and their solutions is what will make you stand out. In a rapidly changing world, employers need people who can solve problems, provide ideas and help improve the organisation. Problem-solvers can work independently from higher supervision. They are initiative takers and enjoy risk, and they aren't afraid to get their hands dirty and make mistakes. They also learn from those mistakes.

Critical Thinking: Critical thinking includes the ability to engage in reflective and independent thinking. Someone with critical thinking skills is able to understand the logical connections between ideas, identify, construct and evaluate arguments, detect inconsistencies and common mistakes in reasoning, solve problems systematically and identify the relevance and importance of ideas. We can use critical thinking to enhance work processes and improve social institutions.

Creativity: Creativity is a vital element that inspires people to see who they are and what they can do, and to realize what they can accomplish. Researching and projects is one way of creatively acquiring knowledge. To come up with a creative solution involves not just having new ideas; but these should be useful and relevant to the task at hand. Critical thinking plays a crucial role in evaluating new ideas, selecting the best ones and modifying them, if necessary.

None of the above mentioned skills will be useful if our communication falls short. What this means in this highly connected yet isolated world is that **effective communication** is key. Enhancing language and presentation skills, developing communication skills, thinking clearly and systematically improve the way we express our ideas. And this in turn, helps achieve solutions.





Did you know that Israel has earned the nickname of Start-up Nation? And this is for good reason. With a population of around 8.5 million, Israel has the largest number of start-ups in the world, more than USA or any other country. This country has a highly qualified and well-trained workforce with most people having a university degree or being in a specialized field. The entrepreneurial spirit is deeply ingrained in everyone in Israel. It is easy to access information and networks, enabling individuals to contribute their ideas. The Israeli government also plays a decisive supportive role in keeping this tag of Start-up Nation alive. A number of business-supporting programmes have been developed by the Israeli government to support research and development activities and create Subject Matter Experts (SMEs). It must be noted that the migration of approximately one million people, mainly high-level engineers and scientists from the former Soviet Union to Israel in the 1990s also significantly added to the highly skilled workforce. Some of the fields where Israel is surpassing the world in terms of innovation include Agritech, Cyber Security, Digital Health, Fintech and Watertech. There is a lot to take inspiration from the Start-up Nation!

TechNews



Skill India
कौशल भारत - कुशल भारत

In India, Skill India, is a word which has become very popular and is on the lips of many youth looking to start their careers. The National Skill Development Mission was launched by Prime Minister Modi on the occasion of World Youth Skills Day in 2015. The goal of this mission is to bridge the gap between the rising demand for skilled labour and the current skillset of the youth in India. Skill India is doing this by leveraging technology to the maximum possible.

Use of digital platforms is key to connecting employers, start-ups, education providers, public agencies and the audience, which is the youth. Leveraging analytics and blockchain technology to ensure transparency and accountability furthers the success of this programme. Building scalable, device-agnostic, multi-lingual technological options are ensuring that today's youth in India moves fast to be future-ready now.

According to the latest budget report of 2019, Skill India is all set to cover new-age skills such as Artificial Intelligence, Machine Learning and Internet of Things (IoT).

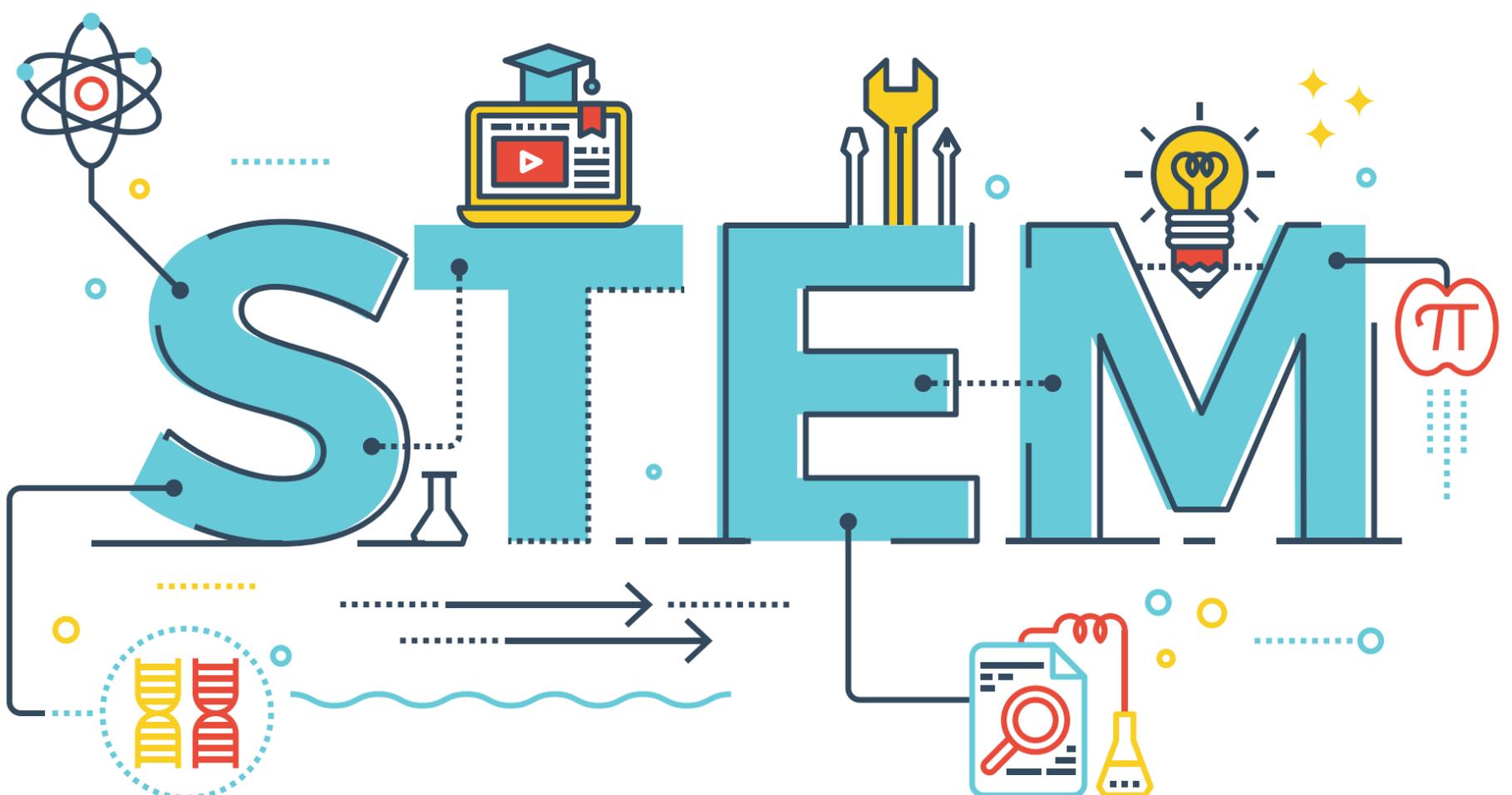
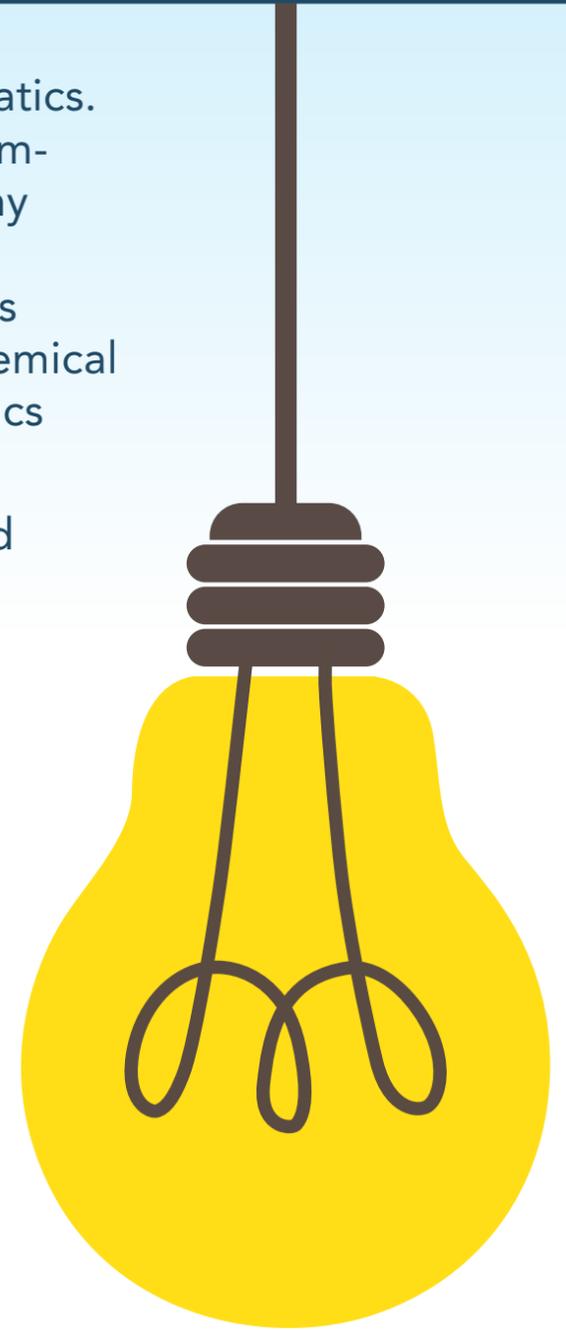


STEM-ing it up!

STEM stands for Science, Technology, Engineering and Mathematics. A curriculum that is STEM-based creates critical thinkers, problem-solvers, and next generation innovators. STEM can instil a healthy interest in exploring, questioning, and discovering more. STEM has found application in a wide variety of industries and job roles including aerospace engineering, astrophysics, biochemistry, chemical and civil engineering, computer science, nanotechnology, robotics and more.

STEM skills do not limit themselves to the sciences as mentioned above, but instead help in developing essential skills such as problem solving, critical thinking, flexibility, data interpretation and curiosity.

Asking open-ended questions or debating on various possible outcomes to a specific issue challenge us to think out of the box and apply a non-conventional solution to the existing problem. This requires flexibility to ensure that we get the results by adapting to various disciplines. Data interpretation is the ability to make a decision based on collecting, analysing and interpreting data. This is where knowledge of statistics is helpful. Referring across disciplines, being curious and asking the right questions definitely give us an edge to provide solutions. Developing STEM skills is not about how you acquire knowledge or skills in Sciences or Maths, it is more about utilizing the knowledge and skills to make an intelligent choice and achieve success.



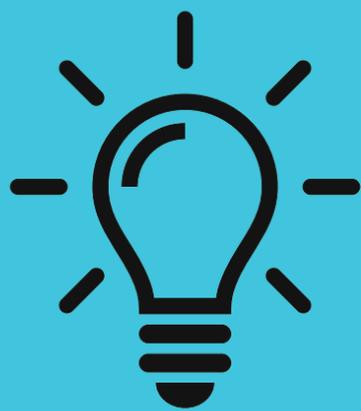
What is your EI Quotient?

Something very interesting is happening in the 21st century. Apart from importance to STEM skills, Emotional Intelligence is also being explored. The more life depends on technology, the more society realises the importance of emotions. Emotional Intelligence is defined as "being aware of others' reaction and understanding why they react as they do."

Emotional intelligence (EI) is our ability to understand our emotions and reactions and to manage, control, and adapt them according to the situations. Whenever we harness our emotions to motivate ourselves, or to be empathetic towards others or to work as part of a team, we are putting our EI into use.

Do you remember the movie, *Inside Out*? In that story, eleven-year-old Riley moves to a new city leaving behind her friends and school. Life is not the same! She is not able to make friends because she doesn't want to! The story talks about how Riley deals with all her core emotions of Joy, Sadness, Fear, Anger and Disgust. The story ends on a happy note where she is able to make friends and enjoys being in the new city. This is exactly what EI can do for all of us. Make us happier and equipped to deal with whatever the world brings on. Are you ready to enhance your EI quotient? Here is how you can do it:

5 QUESTIONS TO DOUBLE YOUR EI



Self Awareness

Question: What specific emotion am I feeling right now?



Empathy

Question: What emotion is the other person feeling right now?



Self-Regulation

Question: What can I do to control my emotions and my reactions right now?



Social Skills

Question: How can I show genuine interest in this person right now?



Motivation

Question: How am I interpreting this specific task - as easy or difficult and why?

Celebrating Youth and Skills with the UN

UNITED NATIONS
INTERNATIONAL
YOUTH DAY

2019
TRANSFORMING
EDUCATION

The world has never been younger! What this means is that there are more young people in the world today than ever before. We can but benefit from this huge source of energy, talent and optimism. This is exactly why the United Nations has dedicated two days to the youth of the world! **July 15** is celebrated as the **UN World Youth Skills Day (WYSD)** and **August 12** is celebrated as **UN World Youth Day**.

The aim of WYSD is to advocate for skills as an important factor to improve young people's transitions to decent work and to highlight the critical role of skilled youth in addressing today's challenging global issues. This year, the theme of WYSD is **Learning to learn for life and work**. It emphasizes the importance of Technical and Vocational Education and Training (TVET) in providing youth with the right opportunities to develop their competencies and make them future-ready.

The UN World Youth Day not only focuses on problems faced by the youth but also celebrates the potential of youth as partners in today's global society. The theme of International Youth Day 2019, **Transforming education**, highlights efforts to make education more relevant, equitable and inclusive for all youth, including efforts by youth themselves. Education plays a key role in accelerating progress and working towards poverty eradication, good health, gender equality, reduced inequalities, action on climate and building peaceful societies.

Rise and shine, all you young people, you are the hope for the world!



United Nations
Educational, Scientific and
Cultural Organization

UNEVOC

International Centre
for Technical and Vocational
Education and Training

WYSD

WORLD YOUTH
SKILLS DAY

UNESCO  UNEVOC

15 JULY 2019



Lighten UP

Q. What kind of coat is always wet when you put it on?

A. A coat of paint

Q. A man rode into town on Tuesday and left two days later on Tuesday. How is this possible?

A. His horse is named Tuesday.



Q. A taxi driver is going the wrong way down a one-way street. He passes four police officers, yet none of them stop him. Why?

A. The taxi driver was on foot.

Q. What disappears as soon as you say its name?

A. Silence

JOKES



Why didn't the sun go to college?
Because it already had a million degrees

Want to hear a sodium joke?
Na

What do planets like to read?
Comet books

Did you hear about the chemist who was reading a book about helium?
He couldn't put it down!

Where do astronauts like to party?
The space bar



RIDDLES

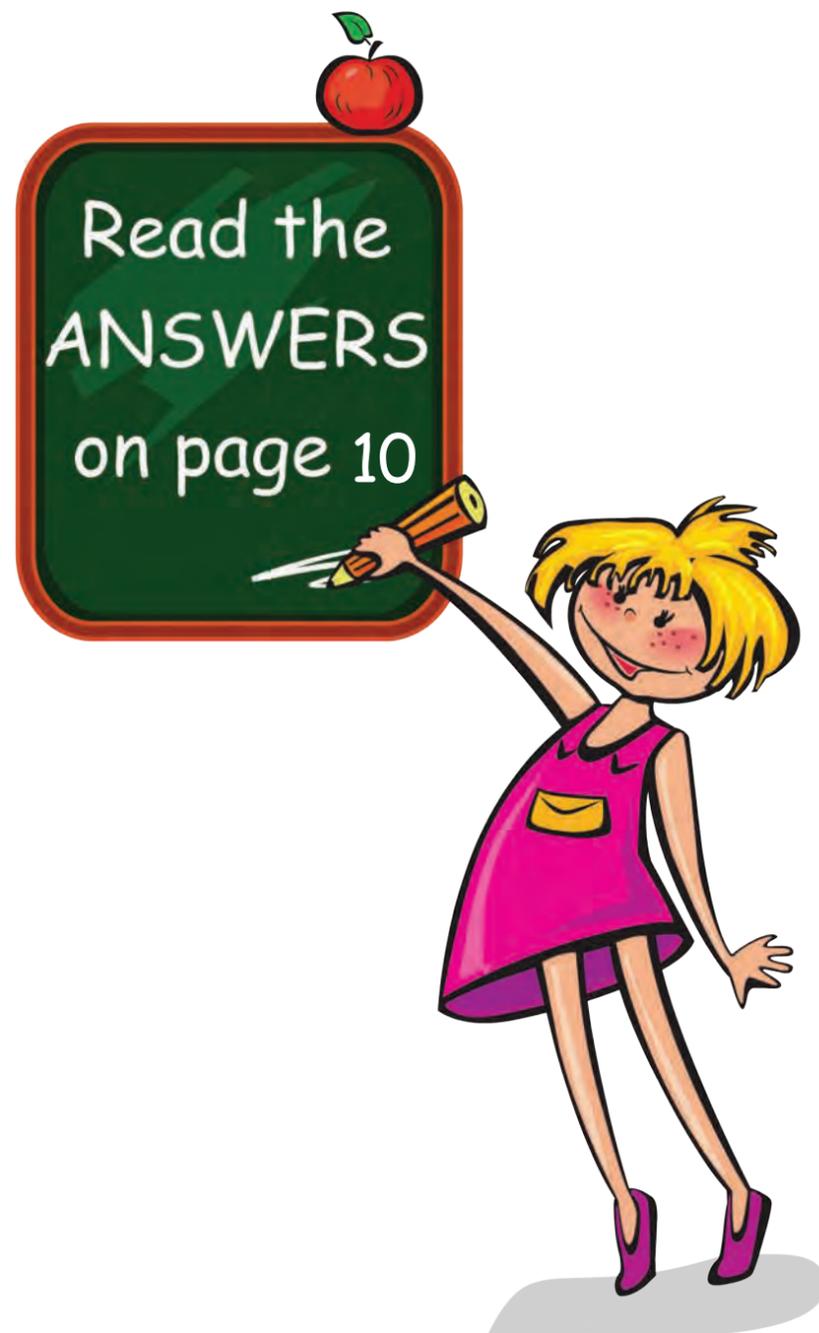
- ✦ My name rhymes with tie, but you cannot wear me. Your geometry classes are but incomplete without me. Who am I?

- ✦ I'm known as the father of computers. My first name is the same as the writer of Oliver Twist. My last name rhymes with a vegetable. Who am I?

- ✦ For Einstein, I was 160. If you go beyond 140, you can join Einstein and be called a genius. What am I?

- ✦ Star Wars is incomplete without me. I can take your order in a hotel and also pick your dry cleaning. When you study me, the name of the study rhymes with acrobatics. What am I?

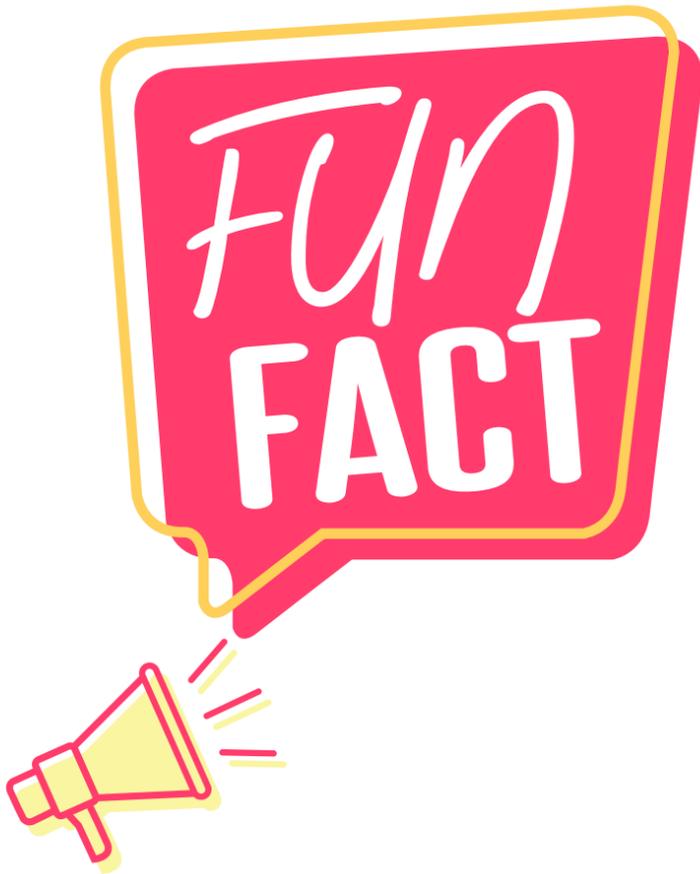
- ✦ Known for my writing such as The Cherry Orchard and Three Sisters, I also practiced medicine in the cold continent of Russia. Who am I?



WORD SEARCH

There are 7 words hidden here that refer to skills that you have already read about in this issue. Try and find as many as you can.

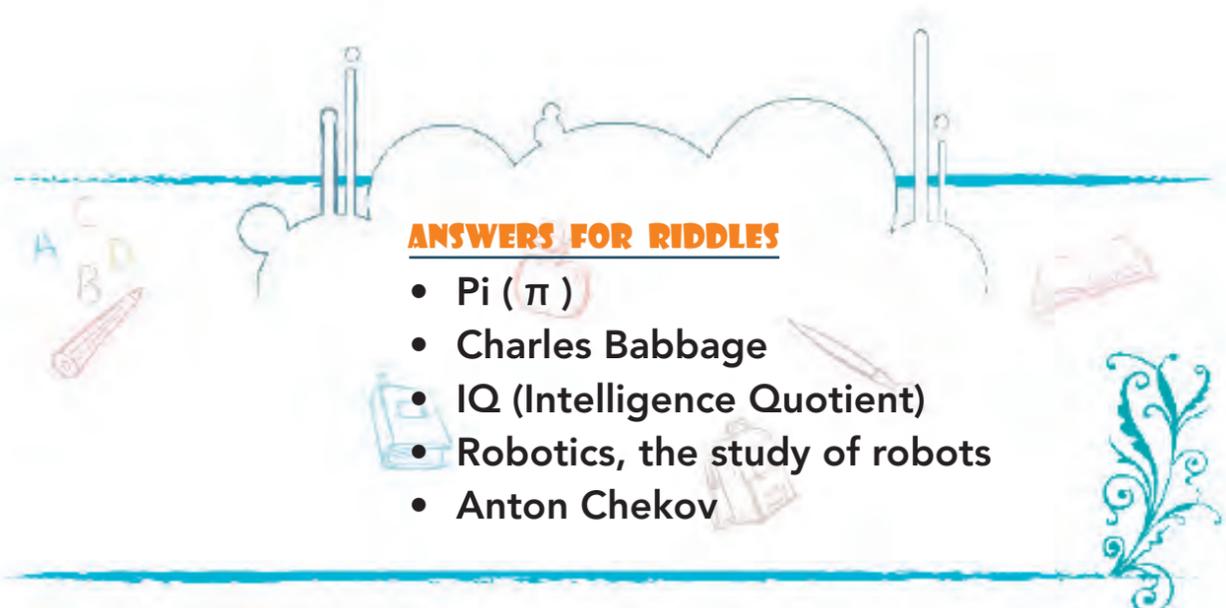
B	F	S	A	N	D	T	H	R	C	S	A	F	W	N
G	I	M	C	L	Y	C	T	R	W	C	Z	N	M	W
V	J	O	R	I	R	N	E	F	N	I	S	E	G	Y
T	R	K	T	A	T	A	N	D	P	T	T	G	G	Z
M	E	Z	E	E	T	Y	W	O	T	O	F	O	W	Z
W	C	S	Q	I	C	N	L	Y	B	B	J	T	S	C
I	E	O	V	I	D	H	C	A	C	O	Q	I	U	M
R	R	I	M	L	H	P	N	H	N	R	O	A	I	K
L	T	A	S	D	R	E	X	O	V	A	D	T	M	D
Y	Y	J	E	G	M	P	I	M	L	X	I	I	F	T
S	H	P	E	Y	H	S	R	D	T	O	E	O	Y	O
N	O	I	T	A	M	I	N	A	E	H	G	N	R	I
A	M	B	J	T	G	J	A	D	X	Z	M	Y	Y	D
R	X	R	F	V	G	P	D	K	Y	F	F	T	K	R
R	V	Y	V	A	R	W	A	W	C	A	Q	X	P	D



- Rabbits and parrots can see behind themselves without even moving their heads!
- Butterflies taste food by standing on top of it! Their taste receptors are in their feet unlike humans who have most on their tongue.
- If you feel you are not tall enough, then measure yourself in space. Humans get a little taller in space because there is no gravity pulling them down.
- The Eiffel Tower in France can become 15 cm taller during the summer! No, it has not come alive. This increase is attributed to the quality of metals to expand or contract with change in temperature. This is exactly the reason why large structures such as bridges are built with expansion joints, which allow them space to expand with high temperature and contract without any damage.
- The Shaking Minarets in Ahmedabad shake together! When one minaret is shaken, the other begins to vibrate, though the connecting passage between the two remains vibration-free. No one has been able to solve this engineering marvel of ancient times.

- Robotics
 - Research
 - Negotiation
 - Creativity
 - Biotechnology
 - Animation
 - Analytics
- Answer**

Word Search



ANSWERS FOR RIDDLES

- Pi (π)
- Charles Babbage
- IQ (Intelligence Quotient)
- Robotics, the study of robots
- Anton Chekov

ACTIVITY SHEET

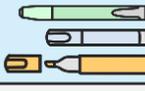
Activity 1

Budget my Month

Are you excited to grow up and manage your own money and budget for a fun-filled, happy life? Have you ever wondered how your parents take care of all the expenses through a month? What calculations do they have to do?

Let's get started early. In this activity, you get to design the budget for your home. You have been given an amount of Rs. 5500 to manage the expenses for the house. Enter the details in the table below. And see, how you can cover all necessary items and still save Rs. 1000 at the end of the month. Some of the items that we could think of are listed below. You can add more. Ready?

My Budget for my Family

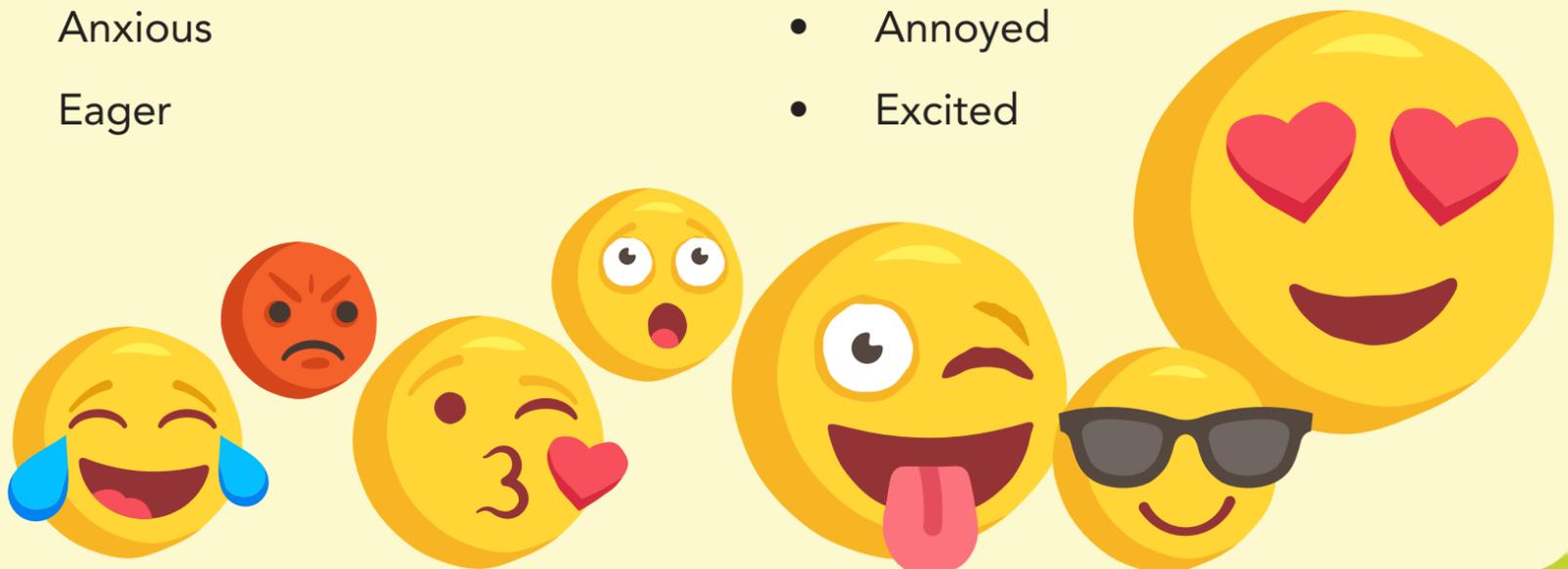
Item	Expense per week	Expense per month
 Vegetables		
 Fruits		
 Internet		
 Stationery		
 Bus, auto and cab		
Total expense in a month		
Total savings in a month		

Activity 2

Express Your Emotions

Read the following and choose the emotion that matches the best. You can choose more than one option. Let's go!

- (A) Radha had a beautiful doll. She took it with her to the school picnic. All her friends enjoyed playing with the doll but when she reached home, she found out that she had lost her doll. Radha was very upset. What is she feeling?
- Heart broken
 - Sulky
 - Elated
 - Sombre
- (B) Ajay had been practicing hard for his musical performance. Today, he would be performing in front of the school. His parents and grandparents would be there too. He hoped it would be all good. What is he feeling?
- Jittery
 - Ecstatic
 - Nervous
 - Dismal
- (C) Mrs. Sharma was leaving for USA to visit her daughter. This was the first time she was flying. What is she feeling?
- Excited
 - Furious
 - Worried
 - Unhappy
- (D) Today is Anjali's birthday. She is turning 13. She has invited all her friends for a party. There will be balloons, cake, music and dance. So much fun; what is she feeling?
- Anxious
 - Eager
 - Annoyed
 - Excited





Comic Strip



BAIRA AND BELA

Do you know, Baira, this chapter says that the ground water level is dropping rapidly and soon we will be facing a water crisis?



We are polluting and wasting our natural resources and will not have any left!! I wish there was something we could do.



There is! Look, there are some ideas in here. Maybe we could create our very own water harvesting system.



That is exciting. Can we do it? What will we need? Let's talk to Ma and Papa.



7 STEPS TO INSTALLING A RAIN BARREL

Installing a rain barrel is a simple DIY project that can help save up to 1,300 gallons of water during summer.

- 1** Prepare the area where the rain barrel will sit. Use pavers or gravel to create a level surface. Remember: a full rain barrel is heavy; be sure the surface it sits on is sturdy enough to support the weight.
- 2** Place the barrel next to the downspout and mark where the diverter will be inserted.
- 3** Cut the marked section out of the downspout.
- 4** Insert the diverter in order to direct the water into the barrel.
- 5** Using a hole cutting saw, cut a hole in the barrel and fit the coupling in the hole.
- 6** Fit the linking pipe in place to direct water from the drain pipe into the barrel.

7 Test and wait for rain!

Source: <https://www.wildflower.org>

Papa, you know how important water conservation is. So, we were wondering if we could build a water harvesting system at our house to conserve water.



Hmmm. Sounds good. What do we need for it and how do you plan to make it? Will it be expensive to install?





Comic Strip



BAIRA AND BELA





Comic Strip



BAIRA AND BELA



CURRENT EVENTS UPDATES

03 July

The US Senate passes a legislative provision to give India a NATO ally-like status. This will provide for increased US-India defence cooperation in the Indian Ocean.

07 July

Tens of thousands of protesters continued their agitation in Hong Kong against the new extradition laws sponsored by China.

US win against Netherlands in the 2019 FIFA Women's World Cup being held in France.

15 July

Anshula Kant, MD and CFO of the State Bank of India is appointed the MD and CFO of the World Bank group. Kant is an alumnus of Lady Shri Ram College and Delhi School of Economics.



18 July

The International Court of Justice (ICJ) stayed Kulbhushan Jadhav's execution. ICJ asked for diplomatic access to be provided to Jadhav in accordance with the Vienna Convention.

20 July

Sheila Dikshit, three-times Chief Minister of Delhi and a senior leader of Congress passed away at the age of 81. She was responsible for many infrastructural developments in Delhi.



20 July

Sprinter Hima Das claimed her fifth gold in a month as she returned to the 400m competition in Nove Mesto, Czech Republic; her record was a season-best time of 52.09s.



22 July

Chandrayaan-2, India's second planned moon mission, launched at 2:43 PM IST from Sriharikota, Andhra Pradesh. The launch vehicle is carrying three components—orbiter, lander and rover.

24 July

The Queen of England promotes Boris Johnson to be Prime Minister of UK. Boris Johnson is for Brexit without delay and without a deal, if required.

31 July

North Korea launches its second missile in a week. This is the second short-range ballistic missile off the east coast.

The Parliament of India passes the Muslim Women (Protection of Rights on Marriage) Bill, 2019.

02 August

Saudi Arabia granted women the right to travel without seeking permission from a male guardian; this is being viewed as a great step towards women empowerment in the country known for its staunch stand on women's rights.

04 August

Massive and often violent protests continue in Hong Kong against the extradition bill by China. The bill risks residents of Hong Kong to unfair trials and ill treatment and would give China greater influence over Hong Kong.

05 August

The Government of India revokes Article 370 from the state of Jammu and Kashmir ending its special status. Ladakh and Jammu and Kashmir are now two separate Union Territories. This move has been followed by media blackout.

Toni Morrison, the first African-American woman to win the Nobel prize, died at the age of 88.



06 August

Sushma Swaraj, a senior leader of the BJP and former Minister of External Affairs in the Government of India, died at the age of 67. She was known for her witty oratorical skills and her prompt responses to international issues around Indians.



13 August

China and the US are in a face-off with respect to trade and tariffs. This deterioration in their relations has an impact on the world economy.

In Brazil, students and teachers hold demonstrations against sweeping cuts in the education budget by the government.

CURRENT EVENTS UPDATES

14 August

In the early hours of Wednesday, around 2:21 am, Chandrayaan-2 crossed Earth's orbit to move towards the moon. ISRO tweeted that it has successfully conducted the 'trans lunar injection' manoeuvre and that the spacecraft would travel for seven days to get closer to the moon.

19 August

The smoke from the raging fire in the Amazon basin could be seen over the Brazilian city of Sao Paulo. It turned day into night with almost zero visibility. Environmentalists have been fighting the apathy of the Brazilian government to protect the Amazon basin.

26 August

The 45th G-7 summit was held from August 24 -26 in Biarritz, France. This was the first G7 summit for UK Prime Minister Boris Johnson. The President of France, Emmanuel Macron, invited the Prime Minister of India, Narendra Modi, among others to attend the outreach session of the summit as special invitees.

28 August

The UK's Brexit saga entered a controversial when Prime Minister Boris Johnson suspended Parliament for more than a month even as the country is just weeks away from its October 31 deadline to leave the European Union.

Greta Thunberg, the 16 year old climate activist, arrived in New York to attend a UN summit on zero emissions. She crossed the Atlantic Ocean in a sailboat, which uses wind, solar and hydro power.



31 August

India releases the final version of the National Register of Citizens (NRC) for the state of Assam. Millions of residents risk losing their citizenship if they are not on the list.

01 September

Indonesia's President Joko Widodo has announced to move the current capital from Jakarta (on the island of Java) to Kalimantan (on Borneo island).

03 September

Lieutenant General Manoj Mukund Naravane assumed charge as Vice Chief of the Indian Army.



IIT-Kharagpur announced its collaboration with Amazon to develop a National Artificial Intelligence Resource Portal to promote learning and development in Artificial Intelligence (AI) for all AI learners, practitioners and researchers in India.

05 September

The Union Ministry of Consumer Affairs, Food and Public Distribution has announced a blanket ban on all types of single-use plastic products in India, starting from 02 October 2019.

06 September

Bangladesh's Nobel Laureate Prof. Muhammad Yunus was awarded the prestigious Lamp of Peace of Saint Francis award for his contribution towards establishing peace and harmony. He was awarded the Nobel Peace Prize in 2008 for founding Grameen Bank.

07 September

Chandrayaan-2's moon vehicle, Vikram, lost contact with ISRO minutes before landing at the south polar region of the moon. The orbiter is still working and will continue to send data to ISRO.

14 September

UNESCO has decided to translate and publish an anthology of the writings of Guru Nanak Dev in various languages to commemorate his 550th birth anniversary.

17 September

Spain won the second FIBA basketball World Cup title after defeating Argentina (95-75).

22 September

The World Rhino Day was marked all over the world to celebrate the world's five rhinoceros species, and to reflect on the challenges facing them.

24 September

The UN Climate Change Summit 2019 was held in New York to focus and accelerate actions to implement the Paris agreement. Climate change activist, Greta Thunberg opened the summit with an impassioned plea for immediate and lasting action.

25 September

Prime Minister Narendra Modi received the 2019 Global Goalkeeper Award by the Bill and Melinda Gates Foundation for his leadership of the Swachh Bharat Abhiyaan.

Prime Minister Modi also inaugurated a 50 kilowatt Gandhi Solar Park at the Headquarters of the United Nations.

