



REFLECTIVE REALITY

E-MAGAZINE 2020-'21 - GRADE VIII

INDIAN SCHOOL AL BURAIMI



INDIAN SCHOOL AL BURAIMI



MR. SHAHEEN.K.K
President, SMC

S M C President's message

Dear Parents and students,

When I enquired about school magazine, Principal mentioned that this year we are going for class magazines, to increase the participation chances. I am happy with that idea and encouraged him to do so.

School magazine / Class magazine is always a very interesting piece of work created by our upcoming talented students.

Magazines develop the student's power of thinking and strengthen their imagination. In this way the general knowledge of the student's increases and they acquire the habit of reading and writing. School and class magazines also teach the students the value of co-operation and encourage healthy competition.

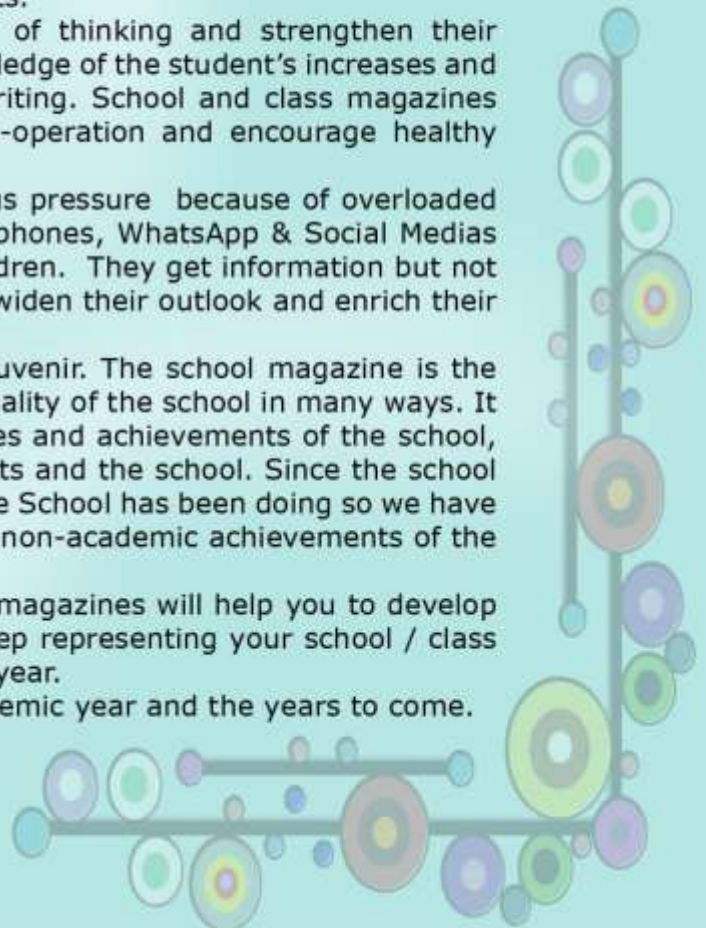
I feel that students are under tremendous pressure because of overloaded information. Television, Internet, Mobile phones, WhatsApp & Social Medias are snatching valuable time from our children. They get information but not retainable knowledge. Reading habit will widen their outlook and enrich their knowledge.

Our School magazine is not merely a souvenir. The school magazine is the face of the school and displays the personality of the school in many ways. It gives an articulate briefing of the activities and achievements of the school, thus building a bridge between the parents and the school. Since the school cannot inform about every activity that the School has been doing so we have our magazines. It includes academic and non-academic achievements of the school.

Finally I would like to say school / Class magazines will help you to develop your skills in your fields of interest so keep representing your school / class magazines and improve yourself year by year.

I wish you all a great success in this academic year and the years to come.

Shaheen.K.K
President, SMC
Indian School Al Buraimi.





INDIAN SCHOOL AL BURAIMI



MR. SANTHA KUMAR DASARI
Principal

Principal's message

Dear students,
Warm greetings to you.

I was double minded, whether to publish the school magazine this year or not, but finally I decided to publish it because of the confidence that I have on you and my staff. Moreover this time we have gone for class wise magazines. The reason behind this move is to give wide opportunity to express yourselves in your own way. I am sure, our magazine will certainly turn into yet another piece of wonderful work form team ISAB.

When we come across difficult times, certainly we learn something new. In this COVID-19 pandemic situation we are all forced to stay, most of our time, indoors. After gone through your articles, for your class magazine, I realized that pandemics may force us to stay indoors physically but no pandemic can dent our confidence and imagination. This is one of the many things that I have learnt from this pandemic.

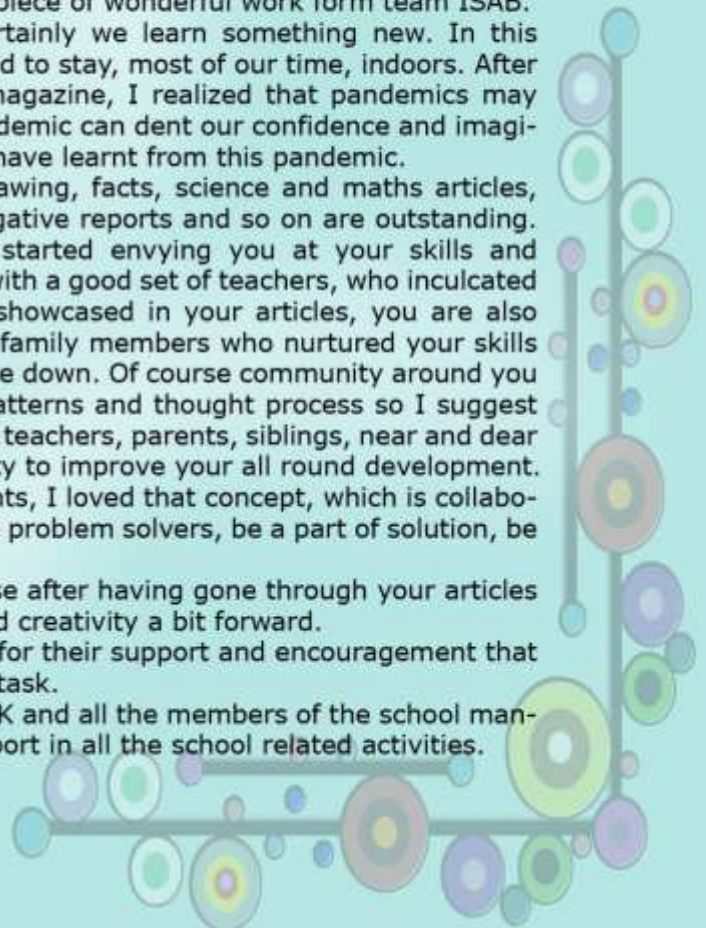
I found your poetic expressions, creative drawing, facts, science and maths articles, quizzes and crosswords, travelogues, investigative reports and so on are outstanding. After having gone through your articles I started envying you at your skills and thoughts. I proudly say that you are blessed with a good set of teachers, who inculcated all the skills and thought process that you showcased in your articles, you are also blessed with wonderful parents, siblings and family members who nurtured your skills carefully and supporting you whenever you are down. Of course community around you plays an important role in your behavioral patterns and thought process so I suggest you to keep a good balance of interaction with teachers, parents, siblings, near and dear and careful observation about your community to improve your all round development. I found some articles attributed to two students, I loved that concept, which is collaboration. Dear students, be positive thinkers, be problem solvers, be a part of solution, be optimistic, be critical best of all be humane.

I would like to thank each one of you, because after having gone through your articles I pushed the limits of my thought process and creativity a bit forward.

I would like to thank each and every teacher for their support and encouragement that they have given to you in accomplishing this task.

I would like to thank President Mr. Shaheen K.K and all the members of the school management committee for their continuous support in all the school related activities.

SANTHA KUMAR DASARI
Principal





Mr.SATISH TRIPATI
Class Teacher
Grade VIII

MESSAGE(संदेश)

Dear students,

If we have to achieve our goal in life, then we have to be honest about our goal. Never give up in life, no matter how difficult the situation may come. We do not have to stop. If your will power is strong, then no power can stop you from achieving your goal. If we want to shine like the sun, first then one has to learn to burn like him. A loser never fails in life, he is unsuccessful, from the day he stops trying. So get up and keep moving forward in life until you achieve success. Believe is on "God", then whatever is written in your fortune, you will find it! But if you trust "yourself", then God will grant whatever you want.

Thank you.....





ADARSH HARIKUMAR
Grade VIII

INTERNET INFLUENCE ON KIDS

Here we go!!!

☒ Today's generation is what we call as the modern developing generation which can't run without technology. A day without device is almost impossible to say. And in this modern technology internet also called as international network has like fulfilled all requirements of human being.

☒ If we'd be asked to define internet, the most probable answer would be that internet is a small world of almost all the information and facts across the world. Starting from essay to letters, from actors to authors, from dancers to singers to find everything has become possible now!

☒ From adult to kid, now everyone is enjoying those dancing pictures inside a device with the help of internet ... now lively things have become statues for humans!!

☒ But as the coin has two sides internet has also some demerits for which the usage if it must be denied for kids. Internet also contain violent and adult content which may eat up the small brain of a child, it may leave a serious impact on the mint of a kid!!!

☒ Nowadays kids are mainly interested in chatting and using You Tube, being social of Facebook or any other media has become an addiction now which can surely lead towards the path of destruction!!! When they focus on the screen, the radioactive waves fall directly on the eyes cause of which they can possibly damage their eyesight.....

☒ So, the children must be aware from their childhood and they must be denied of using device of using devices. Steps must be taken before they get addicted!





AKASH PATIL
Grade VIII

A CLOWN IN THE CIRCUS



A clown looks very funny,
And shows his magic with
a bunny.

He has a large red nose,
And gives a pose,
He has a huge tummy.

He wears a long cap that
reaches the moon,
And he opens the gate soon
For the Tigers to come up,
And monkeys with makeup
In the hot noon.





ARADHANA SINGH
Grade VIII

THE CONCEPT OF BODY AND SOUL

We all think that we can get happiness in this material world. It is the age of kali yuga. We all are searching for happiness which we don't get. If we want to be happy, we need to know our main aim in life. Our main aim in life is to surrender unto god and serve him. We have forgotten our relationship of god with us. God lives in every person's heart but he does not divide himself into many parts. Just like the Sun gives light to everybody (present in the sky), similarly God lives in everybody's heart.

Let me tell you all a story; Once upon a time there lived a family. One day father and his son went to a market, the market was very overcrowded. While going inside the market the boy was lost. The boy started to cry. His father also got worried where he was and he started to search his son. A good person came to this boy and asked him why he was crying. The little boy told him what had happened. The person listened to him and he gave him some food and helped the boy to search his father. The person couldn't find the boy's father so he went away. Many people came like this and they gave him shelter, food, clothes but the boy was unhappy and did not stop crying. Then a policeman came to that child and asked him if this person was his father. The boy recognized his father and hugged him.

He was very happy. His father along with his son went to the coconut shop and his father gave him coconut water. They both went happily back to their home.

MORAL: From this story we see that we are like the little boy and his father is like our god. God is our supreme father. Since the boy lost his father he was crying, similarly we have lost our relationship with our supreme father and we are crying in this material world.



THE CONCEPT OF BODY AND SOUL.....

If we want to be happy, we should do pure bhakti of lord. we should always think of him(shravanam) and read books related to his pastimes. Then only living in this world we can be happy. Let Me tell you what is the reason of our suffering. God has given us freedom as much as we deserve and when we misuse that freedom that is the cause of our suffering. The devotees of the Lord do not misuse their freedom and therefore they are the good sons of the Lord, others who misuse freedom are put into miseries destined by the eternal kala (meaning time.) The Kala offers the conditioned souls both happiness and miseries. Everyone is suffering and enjoying that is right of his own destiny, this destiny is made by the living beings in course of social intercourse.

If we Surrender unto God, we won't be facing these problems and our life will become blissful knowing about God (SUPERSOUL) and SOUL. It doesn't mean that we leave everything and go to forest. Just as we think of a person (a person whom we like the most) while doing our daily activities similarly we have to just think of lord(god) every time doing our work.

In the present age most people in this world are confused about God, those who don't believe in the existence of God are called atheists. Those who don't believe in God are called demons, they all are all fools and unlucky.

Who is God? Before knowing who is God, we should know what is the source of knowledge to learn about God. In this world many people worship God according to their taste and realization in a speculative way but if we ask them to give the definition of

God or the meaning of God, we see that most people cannot give a proper answer so, let's understand the meaning of God.



God or the meaning of God, we see that most people cannot give a proper answer so, let's understand the meaning of God. Bhaga means Opulence and vana means Possessor. One who possess 6 opulences (all beauty, all power, all fame, all wealth, all knowledge and all renunciation) is called God. This is stated in Vishnu Purana.

God is everywhere situated in everyone's heart. He is the controller, maintainer and destroyer of this world. When he exhales many brahmands (universes) come, and when he inhales many brahmands(universes) go inside his body. He is above the modes of material nature. Not even a blade of grass can move without the will of Lord.

Now the question arises then what about bad karmas done by many people. Does god want them to do bad karma?



There is only one God but we think that there are many. He takes different forms like in Hindu we say KRISHNA as the supreme personality of Godhead, in Muslim Allah, in Christian Jesus Christ etc.

Now let's understand if we are the Body or Soul.

A person is believed to be dead without a soul, the body is compared to a car and the soul as the driver of that car. The car is useless without the driver similarly the body is useless without the soul. The soul makes the body to do activities and feel. When a person dies their relatives cry and do the final rites. The body is in front of them and then also they are crying. It is because the soul has gone from that body and has taken another.

We are the soul and not the body. The body is temporary and is subject to six kinds of transformations. It takes birth from the womb of the mother's body, remains for some time, grows, reproduces, gradually dwindles (becomes old) and at last vanishes into oblivion. It is perishable, full of ignorance, and niranada. All the miseries that we experience in this material world, it is all due to this body soul is ever existing, primeval and eternal. It is unbreakable, unchangeable, unborn and

present everywhere. It is said that the soul is invisible, inconceivable and immutable. The soul is very small It is the 10,000th part of the tip of the hair.



It is stated in Bhagavad Gita (spoken by Lord Krishna himself) 2.23

nainam chindanti sastrani
nainam dahati pavakah
na caiman kledayanty apo
na sosayati marutah

TRANSLATION: The soul can never be cut to pieces by any weapon, nor burned by fire, nor moistened by water, nor withered by the wind.

We therefore Understand that the soul cannot die, it is eternal, it cannot be destroyed by any physical components of Nature. (w a t e r , f i r e , w i n d) . If we know about this soul and body, we can understand how both are different.

In this article, we understood about how can we get happiness in this world, definition of god, reason for our suffering and about the body and the soul.



AZRA
Grade VIII

JOURNEY TO A MYSTERIOUS PLANET

There is a knock on the door "who is that". It's me Henry , may I come in. Yes come in Henry, what is the matter? Our space shuttle needs an emergency landing, because of some technical issues. But, where can we land? That was the problem. All of them started searching for a safe planet, where they could land and ask for help .They found a planet it looked like earth but, how could this happen? Now there was no time to think, the space shuttle needed an immediate landing so they planned to do so. After the landing, everyone were badly injured and some lost their lives also. Henry was only the person, who was lucky to be safe. Before he could help anyone there was blast and all the people in shuttle died. Now, Henry was alone there. But, there is something different he was able to breathe . According to him earth is the only planet where life known to exist . He walked a few steps in search of help. Next he came across some shops there was something different in the names of all the shops, all the names of the shops were written in opposite way meaning from right to left this made him confused, keeping this in mind he walked ahead. At last he reached a hotel where he saw something weird that was men wore ladies clothes and ladies wore men's clothes .After booking a room in the hotel he met some people, who came here for doing research on this planet .

They also promised him to find a new space shuttle so, that he could go back to earth .The people told him that till now there is no name assigned to this planet . He was completely muddled but, still excited to know more about this planet .He visited a zoo where an elephant was called a tiger and tiger was called an elephant, this was something very different to him. At last, the day arrived when henry had to go back to his planet. The whole night he was thinking that this planet would be a great discovery. The next morning when he woke up, he found himself in his bed and when he turned around he found a note that said;

Sir,

We hope that you have enjoyed exploring our planet. I wish that once again we meet each other.

After reading this he was in shock. But, he was still happy to visit such a mysterious planet. It became a peculiar story. He never let it slip from his mind that adventure he had experienced.





BEBIN SAM
Grade VIII

WHITE WITH RED



A man went to a hotel and walked up to the front desk to check in. The woman at the desk gave him his key and told him that on the way to his room, there was a door with no number that was locked and no one was allowed in there. She explained that it was a storeroom, and that it was out of bounds. She reminded him of this several times before allowing him upstairs. So he followed the instructions of the woman at the front desk, going straight to his room, and going to bed.

However, the insistence of the woman had piqued his curiosity, so the next night he walked down the hall to the door and tried the handle. Sure enough it was locked. He bent down and looked through the wide keyhole. Cold air passed through it, chilling his eye. What he saw was a hotel bedroom, like his, and in the corner was a woman whose skin was incredibly pale. She was leaning her head against the wall, facing away from the door. He stared in confusion for a while.

Was this a celebrity? The owner's daughter? He almost knocked on the door, out of curiosity but decided not to.

As he was still looking, the woman turned sharply and he jumped back from the door, hoping she would not suspect he had been spying on her. He crept away from the door and walked back to his room. The next day, he returned to the door and looked through the wide keyhole. This time, all he saw was redness. He couldn't make anything out besides a distinct red color, unmoving. Perhaps the inhabitants of the room knew he was spying the night before, and had blocked the keyhole with something red. He felt embarrassed that he had made the woman so uncomfortable, and hoped she had not made a complaint with the woman on the front desk.

At this point he decided to consult her for more information. She sighed and said, "Did you look through the keyhole?"

The man told her that he had and she said, "Well, I might as well tell you the story of what happened in that room. A long time ago, a man murdered his wife in there, and we find that even now, whoever stays there gets very uncomfortable. But these people were not ordinary. They were white all over, except for their eyes, which were red."



ISHAAN SREERAJ
Grade VIII

MY TRIP TO SWITZERLAND



Travelling has been a passion for me. I was introduced to travel by my father at a very young age. I have been to many places in my life, like Singapore, Malaysia, Thailand, Switzerland, Bhutan etc. The place which I liked the most was Switzerland which was an extraordinary place and mesmerizing. So let's begin. We took a flight from Oman to Switzerland and I was very thrilled and excited to reach Switzerland because of the scenic beauty of the place. After a 7 hour flight from Oman, we landed at Zurich at around 9 PM. It was so cold and the temperature was around 5 degree. We boarded a bus to the hotel which we booked some time back and reached the hotel in another 1 hour. Then, we had our dinner and went to sleep. The next day, we went to 12th century Cathedral. It was indeed a nice place and beautifully decorated inside.

We explored there and left the place after sometime. Since there were no any other places in Zurich we moved to St.Gallen by train. On the way we saw beautiful meadows, snowcapped mountains, cows grazing in the field. There were tiled roofs with smoke coming out from the chimneys. We reached the train station at 4 PM and we went to a hotel which took half an hour to reach. Then we kept our bags and thought to go out for a walk to explore the place. We went to the chocolate factory which was my favourite. And I was literally waiting to go there. Inside the factory we saw how chocolate was being produced and the people working there were also talking about the history of chocolates which was interesting. They also kept some chocolates which the visitors could eat for free. When I tasted a chocolate, it was so tasty that I took some of them and stuffed them in my pockets, so did my sister.



After sometime we went to have hot chocolate and decided to leave. It was too late and we decided to have dinner and go to sleep. The next day we went to the cheese factory where we saw the different process of making cheese. There was a park where everything was in the color of a cheese and was shaped like a cheese and I enjoyed a lot. Then we went to the transport museum, we saw different means of transportation which was beautifully displayed. There were different models of vehicles which was used in the past. The visit to the space museum was indeed a new experience. We had a privilege to visit an old castle which we only heard in stories. It was an enjoyable trip and truly mesmerizing. There was a lot other places which I went in Switzerland. My visit to Switzerland was a dream come true. At the end, I would say Switzerland is heaven on earth.



JIYA SAJEEV
Grade VIII

LET'S HAVE A MOMENT OF SCIENCE WITH 10 FACTS!!

Make yourself at home with these weird science facts...

1. Most of Earth's oxygen is produced by the oceans!

50- 80% of the earth's oxygen is produced from the marine organisms.

The majority of this production is from oceanic plankton, drifting plants and algae that can photosynthesize

2. Water can exist in three states at once!

This is called the Triple Boil and at that temperature water exist as a gas, a liquid, and a solid simultaneously.

3. A cloud can weigh over a million pounds!

The average cumulus cloud can weigh up to 1.1 million pounds.

4. Oxygen has a color!

As a gas, oxygen is odorless and colorless. In its liquid and solid forms, it looks pale blue.

5. Helium can flow against gravity! When helium is cooled to almost absolute zero (-460°F or -273°C , the lowest temperature possible), it becomes a liquid with surprising-properties : it flows against gravity and will start running up and over the tip of the glass container.

6. A magnitude 12 earthquake would split the earth into half!

The largest earthquake which ever occurred was in California with a magnitude of 9.5. It would be theoretically impossible to have a magnitude 13 earthquake since it would need a fault bigger than the Earth.

7. The one who named " Earth" is unknown!

Unlike other planets, no real historical data can be found on the person or group that named our planet "Earth". The term earth comes from Old English and High Germanic and is the only planet not named after a Greek or Roman god.

8. If Betelgeuse - the supergiant star, exploded it would light our sky continuously for two months!

Betelgeuse is likely to explode into a supernova. It lies 430 light years from Earth, yet it's already one of the brightest stars in Earth's sky.

9. Bananas are radioactive!

Bananas contain potassium and since potassium decays that makes them slightly radioactive. But it won't affect our appetite, since you'd need to eat 10,000,000 bananas at once to die of radiation poisoning.

10. Earthquake weather is a Myth! Each culture has its own version of 'earthquake weather' to rationalize when and where an earthquake will hit. Earthquakes are below the surface and need a constant fault to happen and this has nothing to do with weather.



KASINATH SUDEEP
Grade VIII

MY TRIP TO KUTTIKKANAM

Nature, is the art of God. It has the ability to refresh our minds. During my last summer vacation I got an opportunity to travel to such a place of extreme natural beauty. I would like to share those experience and sweet memories to my dear friends through this travelogue. Kuttikkanam is a hill station in Idukki district in Kerala, Southern India. It is 1,100m above the sea level and is surrounded by green tea plantation . Most months are marked by rainfall . The most amount of precipitation occurs In July. I have visited kuttikkanam on last July 2019. We started our journey at 7am with my parents ,brother and cousin .

PINE FOREST

" TIME SPEND AMONGST TREES IS NEVER WASTED TIME "

Pine forest is 1.6 km away from kuttikkanam. It is an artificial forest and covers 100 acres. We spent around 1 hour there. It is a home to many birds . The air was cool and damp.



VALANJAKANAM WATERFALLS

It is 4 km away from kuttikkanam town. It is just near the main road. It is a very beautiful waterfall lies on NH183 . We took many photos from there. This waterfall is only during the monsoon. Snacks and drinks available at near stores.



AMMACHI KOTTARAM

It was constructed by Travancore Maharaja Moolam Thirunal. When we were going to the palace it was raining heavily and it was dark I had a horror feeling . There was an old man taking care of that palace he explained to us about the palace. That building contains wrap around veranda, three rooms ,two large hall, kitchen , bathroom etc. There are two secret passage ways used as escape tunnel . Now this palace is used a location of Malayalam films.



After that we went for lunch' OPEN KITCHEN BARBEQUE' is near to kuttikkanam town is famous for delicious food. We had our lunch from there.

PANCHALIMEDU

It is a historical hill station surrounded by deep valleys .Weather is cool and pleasant .There is cool breeze throughout the year . There is a beautiful garden also.

It was really a nice trip .I wish to visit all these places again and again .





LAKSHMI BALA
Grade VIII

MARS 2020 MISSION: MOXIE

NASA's PERSEVERANCE mars rover launched from Florida, on 30 July 2020, carrying a host of cutting-edge technology including high-definition video equipment and the first interplanetary helicopter. It is now on its way to Mars.

Most of the tools are designed for exploration of any signs of ancient microbial life, which will advance NASA's quest to explore the past habitability of Mars. The rover has a drill to collect samples of rock and land. These samples will be stored in sealed packages for pickup by a future mission that would carry them back to Earth for investigation.

The main purpose of this mission is to test oxygen production in the Martian atmosphere. But how?



Jezero crater



The Perseverance rover carries with it a device called the Mars Oxygen In-Situ Resource Utilization Experiment, or MOXIE. Like a tree, MOXIE takes the carbon-dioxide present in the Martian atmosphere and converts the molecule into oxygen and carbon monoxide. It then combines the oxygen molecules into O_2 , analyses the O_2 for purity and then releases both the breathable oxygen and the carbon monoxide back into the Martian atmosphere. The toxicity of the carbon monoxide produced isn't a worry as it combines with residual oxygen that's present in the atmosphere and turns back into carbon dioxide.

PERSEVERANCE is expected to reach the red planet in about seven months. NASA's engineers are prepared for a February 18, 2021, landing in Mars' Jezero crater, which the scientists consider as a perfect landing spot (as it is thought to have once been flooded with water).

With its newest, \$2.4-billion robot, NASA is setting out to answer a question that has nagged humanity for as long as astronomers have pointed telescopes at the reddish world: Is there—or was there once—life on our neighboring planet? Can we inhabit the planet in the future?



MAHIMA ELZA MINU
Grade VIII

CROP CIRCLES.....

Crop circles – a strange patterns that appear mysteriously overnight in farmers'

Fields-provoke puzzlement, delight and intrigue among the press and public alike.

The circles are mostly found in the UK, but

Have spread to dozens of countries around

The world in past decades.

Despite having been studied for decades,

The question remains: who- or what – is making them ?

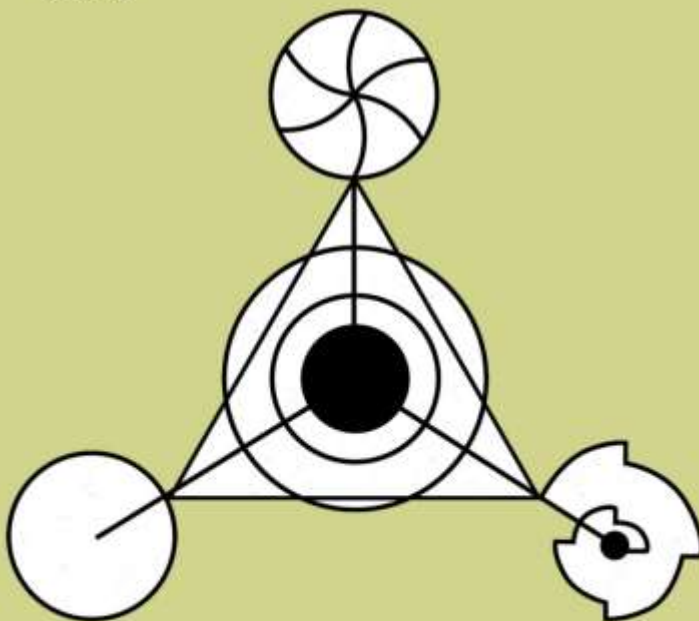
Theories & explanations.....

There are evidences that is it true or real.

The real question is who created them?

We can look both internal and external evidence to evaluate crop circles. Internal information includes the content and meaning of the designs[is there anything that indicates that any information contained in the "message" is of extraterrestrial origin] and external information , includes the physical construction of the crop designs themselves.[is there anything that indicates that the designs were created by anything other than humans?]

A molecular biologist HORACE DREW , suggests that the answer lies instead in time travel or ALIEN LIFE. He theorizes that the patterns could be made by human time travellers from the distant future to help them navigate our planet. Drew , working on the assumption that the designs are intended as messages, believes he has decoded crop circle symbols and that they contain messages such as "believe," "there is a good out there" "beware the bearers of false gifts and their broken promises," and "we oppose deception " (all, presumably , in English)





KASINATH SUDEEP
Grade VIII

‘REBIRTH’

THE MAIN CHARACTER OF MY STORY IS A PESSIMISTIC BOY NAMED VISHNU THIS STORY IS BASED ON A REAL INCIDENT. AN ACCIDENT HAPPENED IN VISHNU'S LIFE WHICH CHANGED HIM AS A CONFIDENT AND COURAGEOUS BOY!!

It was 1998, there lived a boy named Vishnu with his family- his father, mother and younger brother Ram. His father worked in Oman so they all lived with him. Vishnu was a very good boy but there was one negative about him, he didn't have courage and confidence. He was always scared of everything, he was pessimistic too .

It was summer vacation for Vishnu. He was in grade VI. They decided to go to their native place, India. There they visited grandparents and relatives .Vishnu enjoyed a lot. They visited many places. One night they were going back to maternal grandparent's house. Suddenly ,Vishnu's brother Ram started vomiting and he had high temperature also. So ,they visited nearby hospital. Doctors suggested to give injection ,so mom and Ram were sitting inside the hospital and Vishnu went near to the car parking with his father . His father went a few steps ahead to call home to inform his parents about the situation.



Suddenly, Vishnu slipped and fell into a well . His father heard the sound and he rushed to the place. He saw that Vishnu fell deep into the well. Vishnu didn't know how to swim but an idea struck in his mind ,he hold the wall of the well tightly. Fortunately, within 15 minutes many people rushed there with a big rope to save him. Atlast, Vishnu was taken out of the well .In a few seconds, there was a large crowd who clustered around Vishnu to get the glimpse of the courageous boy. Everyone praised his courage .And,that was a turning point forVishnu who realized his courage and it was his rebirth as an optimistic child.



USAYS SALMAN
Grade VIII

FACTS ABOUT GLOBAL WARMING

- 1- Global warming is the increase of earth's average surface temperature due to greenhouse gases, that collect in the atmosphere like a thickening blanket, trapping the sun's heat and causing the planet to warm up.
- 2- Greenhouse gases keep heat close to the earth's surface making it livable for humans and animals.
- 3- With the start of industry in the 1700's humans began emitting more fossil fuels from coal, oil and gas to run our cars, trucks and factories.
- 4- There is more carbon dioxide in the atmosphere today than at any point in the last 800,000 years.
- 5- Since 1870, global sea levels have risen by about 8 inches.
- 6- According to the U.S. global change research program, the temperature in the U.S. has increased by 2 degrees in the last 50 years and precipitation has increased by 5%.

