



Vis-à-Vis



MEC
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I C S E

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Pure Sciences Redefine the Future

At MEC Institutions, we are committed to ensure that your learning becomes useful for life. Whatever you are doing on the campus, should contribute to your learning. And we are very keen that you have a balanced perspective on the future as well.

That brings us to possibilities in pure sciences. Pure sciences comprise of the subjects that you learn at

While the origin of this virus has so many theories, scientists are working overtime to work on the vaccine for this virus. In the past too, we had some deadly virus attacks, like SARS, Ebola, ... They struck fear into the whole world. After some time, scientists created vaccines that could counter them. And we would again begin to rest in peace. So, who made that assurance possible? Research in pure sciences.

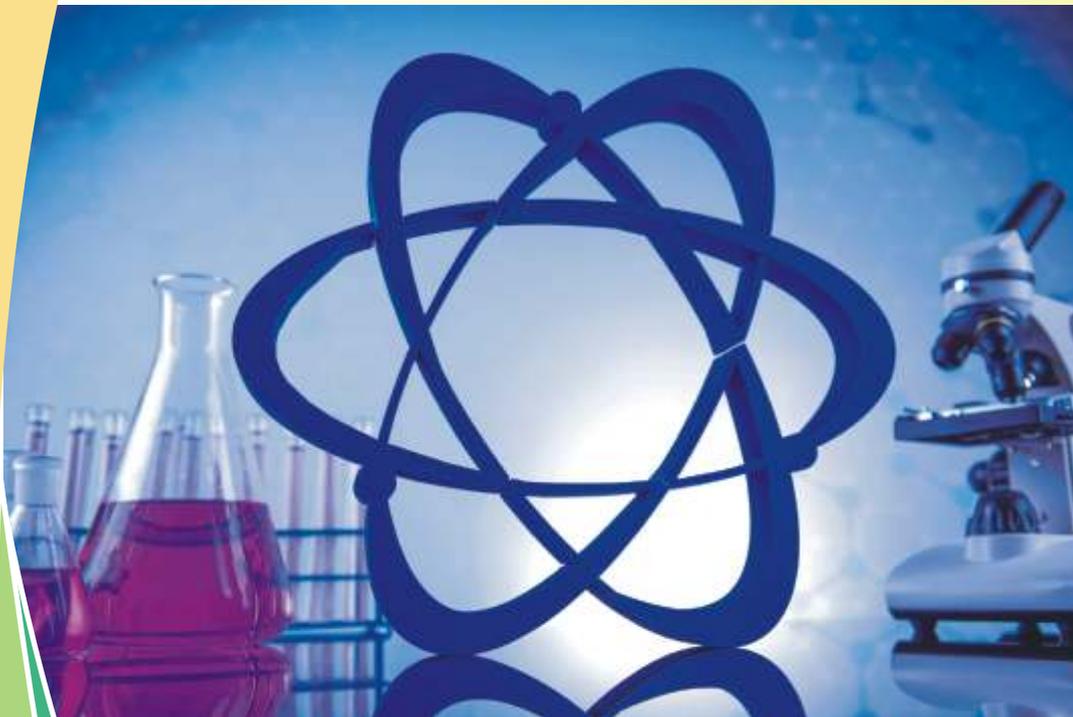
They say the future belongs to pure sciences. All the work done so far through research has raised hopes of breakthroughs in several spheres. It is important that young students should be aware where opportunities lie. It is common knowledge that for over decades now, the typical mind-set of Indian parents and students is to look for opportunities either in medicine or engineering. Consequently, if a student was passionate to do work as a researcher, he/she had to overcome objections from the family and peer group.

The jobs on the engineering side too have reached some level of saturation. Now, bright young people have started to consider pure sciences as a good career

option. India has several reputed institutions that offer graduate and post-graduate programs in pure sciences.

Also, it is important that teachers at the school level become aware of the importance of pure sciences and the global career opportunities available in this field. Pure sciences is a vast field and a student can find an area that can be particularly appealing to him/her. A teacher can ignite the passion for pure sciences in the students, who can be excited with the challenges and opportunities that they provide.

But remember, none can stop an eager mind. We live in the knowledge era. Internet search engines provide answers even before you finish asking the question. So, keep asking questions until you find convincing answers. Now, that's what you call scientific temper.



school, viz., physics, chemistry and biology, and further variants of the same in advanced versions. Pure sciences are different from applied sciences and engineering in that in pure sciences, the focus is on conceptual learning and acquiring deeper knowledge into the subject. In applied sciences, the focus is on the application side of the knowledge. And engineering is about practical implementation of applied sciences. So, if you look at the progression of a concept, it starts with pure sciences, goes towards applied sciences and finally to the engineering side, when you can see the original concept take shape as a practical idea at work. One can thus say that pure sciences show the way to the future.

Today, you take any area. Be it medical sciences or physics. It starts with the laboratory. As we talk, the whole world is reeling under the Corona Virus scare.

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Principal's Desk

One of the basic reasons why reading is important is that it helps you grow mentally, emotionally and psychologically. Every book gives you an opportunity to learn new things and explore new ideas. Reading books increases your knowledge and makes you smarter.

But the importance of reading is not limited to just these benefits. You will be amazed to know how beneficial reading books can be for you.

- It helps you discover yourself
- It improves your Focus and concentration
- It improves your emotional health
- It enhances memory
- It's a great source of motivation
- It expands your knowledge and makes you smarter
- It broadens your imagination and enhances your creativity
- It makes you more empathic
- It enhances your critical and analytical thinking
- It makes you humble
- It improves your vocabulary, language command, and communication skills
- It improves your brain functions

Anuradha K, Principal

Prize Distribution

Prize distribution of cultural events conducted for the academic year 2019-20



Valedictory Function

Valedictory function was conducted on 15th February 2020 for the students of X Grade. On this day, the secretary of MEC Institutions, Dr. C. Vidya blessed all the students for their bright future.



Students of Grades VIII & IX prepared greeting cards from the best out of waste and also paper flowers with crepe paper.



National Science Day

National Science day was celebrated in our school on 28 February to mark the discovery of Raman effect by Indian physicist, Sir C. V. Raman.

National Science day is celebrated to spread a message about the importance of science used in the daily lives of people and also to popularize science and technology among the people.

Grade VI and VII students conducted experiments on Magnetic Separation and Making of an Electromagnet. Keen interest was taken by the students.



Famous Personalities

Guru Nanak



Guru Nanak (15 April 1469 – 22 September 1539), also referred to as Baba Nanak, was the founder of Sikhism and the first of the ten Sikh Gurus. Nanak travelled far and wide teaching people the message of one God who dwells in every one of His creations and constitutes the eternal Truth. He set up a unique spiritual, social, and political platform based on equality, fraternal love, goodness, and

virtue. Nanak's words are registered in the form of 974 poetic hymns in the holy text of Sikhism, the Guru Granth Sahib, with some of the major prayers being the Japji Sahib, the Asa di Var and the Sidh-Gosht. It is part of Sikh religious belief that the spirit of Nanak's sanctity, divinity and religious authority descended upon each of the nine subsequent Gurus when the Guruship was devolved on to them.

ಸಾರ್ಥಕ ರಜೆಯನ್ನು ಕಳೆಯುವುದು ಹೇಗೆ?

ಮಾಚ್ಯುಳಿಯಿತೆಂದರೆ ಮಕ್ಕಳಿಗೆ ರಜೆಯ ಮಜಾ ಆರಂಭವಾಗುವುದು. ಹಲವು ದಿನಗಳಿಂದ ಪರೀಕ್ಷೆಯ ಒತ್ತಡವನ್ನು ನಿಭಾಯಿಸಿ ರಜೆಗಾಗಿ ಕಾದು ಕುಳಿತಿರುತ್ತಾರೆ.

ಆದ್ದರಿಂದ ರಜೆಯನ್ನು ಸಂತಸದಿಂದ ಅನುಭವಿಸುವುದರ ಜೊತೆಗೆ ಸಾರ್ಥಕ ಗೊಳಿಸಿಕೊಳ್ಳುವುದು ನಮ್ಮ ಕೈಯಲ್ಲಿರುವ ಆಯ್ಕೆಯಾಗಿದೆ. ಆದ್ದರಿಂದ ಮಕ್ಕಳ ಉಜ್ವಲ ಭವಿಷ್ಯ ನಿರ್ಮಾಣಕ್ಕಾಗಿ ಒಂದಿಷ್ಟು ವಿಕಲ್ಪಗಳನ್ನು ಸಲಹಾ ರೂಪದಲ್ಲಿ ನೀಡಲಾಗಿದೆ.

- ಹವ್ಯಾಸಗಳಿಗೆ ಪ್ರಾಮುಖ್ಯತೆ ನೀಡಿ.
- ಕ್ರೀಡಾ ಚಟುವಟಿಕೆಗಳಿಗೆ ಸೇರಿಸಿ.
- ಸಂಬಂಧಗಳ ಬಗ್ಗೆ ಅರಿವು ಮೂಡಿಸಿ.
- ಮನೆ ಪಾಠ ಹೇಳಿಕೊಡಿ.
- ಕಥೆ ಹೇಳುವ ಅಭ್ಯಾಸ ಮಾಡಿ.
- ಹೊರ ಪ್ರಪಂಚವನ್ನು ಪರಿಚಯಿಸಿ.
- ವಿಭಿನ್ನ ಪುಸ್ತಕಗಳನ್ನು ಓದಲು ತಿಳಿಸಿ.
- ಪರಿಸರದ ಬಗ್ಗೆ ಕಾಳಜಿ ಮೂಡಿಸಿ.

पेड़लगाओ

– 'अक्षता ऐस, आठवीं कक्षा

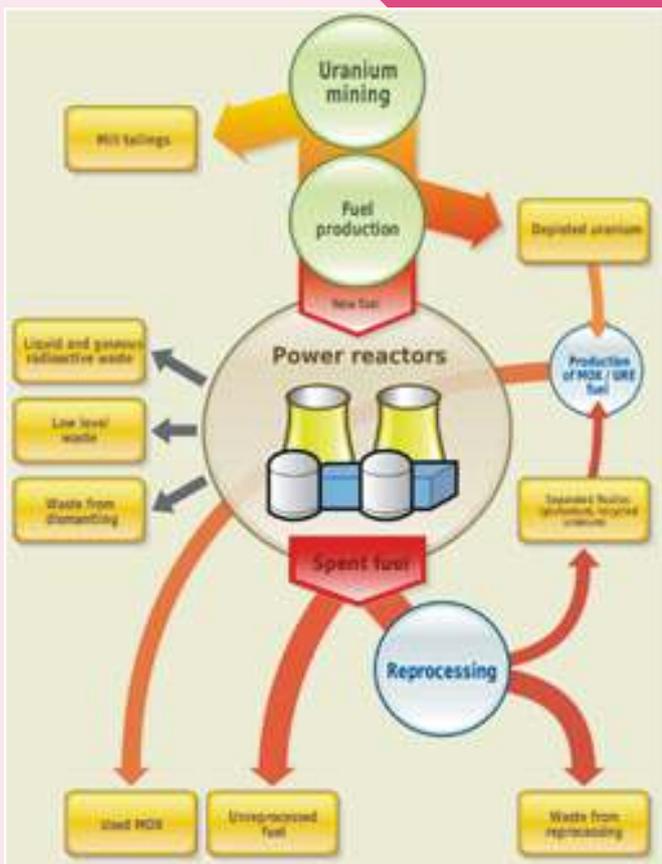
हरा – भरा संसार बनाओ
जन्मदिवस पर पेड़ लगाओ

1. हरियाली से ही खुशहाली
सुंदरता मन भरनेवाली
पेड़ और प्रकृतिका नाता
बच्चों की जैसे हो माता
फूल-फल सबतुम पाओ
जन्मदिवस पर पेड़ लगाओ॥

2. मत करो उपयोग प्लास्टिक का शुरु करो कार्यपेड़ लगाने का
दो जंगल को प्यार
तुम्हें वापस मिलनेवाली है
फलरूपी ढेर भरा प्यार ...

3. तुम बचाओ पेड़ को पानी देकर और तुम्हें बचाएगा प्राण-वायुदेकर
लगाओ पेड़-पौधोंका
तुम्हें मिलेंगी फलखानेको
हरा-भरा संसार बनाओ
जन्मदिवस पर पेड़ लगाओ॥

Nuclear Waste: Fuel of the Future



Introduction

We need more climate-friendly energy sources if we want to reduce the negative effects of global climate change. Making electricity out of fossil fuels like coal, oil or natural gas releases lots of greenhouse gases, which accumulate in the atmosphere and heat up our planet.

Methods

We used computer and mathematical models to understand if it might be possible to redesign nuclear power stations in a way

that they run on nuclear waste. This would reduce the negative impacts of current and future nuclear power generation immensely. Our models were able to simulate how such new nuclear power stations could function. Our calculations were based on a single core cylinder reactor filled with fuel salt where both burning and heat transfer occur.

Results

Our models show that it is feasible to redesign nuclear power stations in a way that they can run on spent nuclear fuel. Plus, the spent fuel does not have to be further modified before it is used. Even better, our advanced nuclear power stations do not produce any additional waste. While these innovative power stations do not yet exist, our research indicates that they are a real possibility for the future.

Conclusion

Even in science and technology, it is important to realize when we have to re-think our current approaches, and what our options are for improvement. Current nuclear power stations have been created with past technologies and goals in mind. Nowadays, some people claim, they might create often more problems than they solve. We need innovative alternatives to provide sustainable, safe and clean energy for generations to come.

Time Management

The best proverb on time is "Time and tide wait for none." Time management is the ability to utilize one's time efficiently so as to be more productive and organized. It is said that if you master this technique you can accomplish just about anything in life.

You can manage your time efficiently with the help of the following tips:

- Prepare a list of tasks to be accomplished.
- Prioritise your tasks and also set time to complete each of them.
- Stick to your schedule diligently.
- Take breaks in between the tasks.
- Do not forget to take 7-8 hours of sleep each day.

These tips should not only help the students and working professionals manage their work efficiently and increase productivity but are also help homemakers to stay more organized.