

# Day 3



Are we the only ones who look at our world in a new way after the meeting with **Mark Andrew Miodownik** we have just had? A universe composed of mesmerizing materials, all forming the daily world we see every day and yet so many materials and new things to discover! When the universe is revealed in such a pleasant way by a scientific expert, you definitely have the courage to discover more! And we all do these days!

The third day begins with new journeys into the fascinating world of science. Who is going to accompany us? **Alexandru Luchian** and his interesting projects who will definitely inspire us!

Make sure you learn new things today and may all your 3D models and projects come to life! Today is definitely a good day for science!

## Today's agenda:

## The more you listen!

DATA	TIMP	ACTIVITATEA PROGRAMATĂ
<b>MIERCURI, 9 Februarie, 2022</b>	8:30	Radio
	09:00	Workshop Aeroplane Dl Matei Doru clasele (I - a III-a) - 2 grupe de cate 10 copii
	09:00	Sah Ciprian (a II-a , a III-a si a IV-a)
	10:00	Workshop Inginer <b>Alexandru Luchian</b> (gimnaziu si liceu)

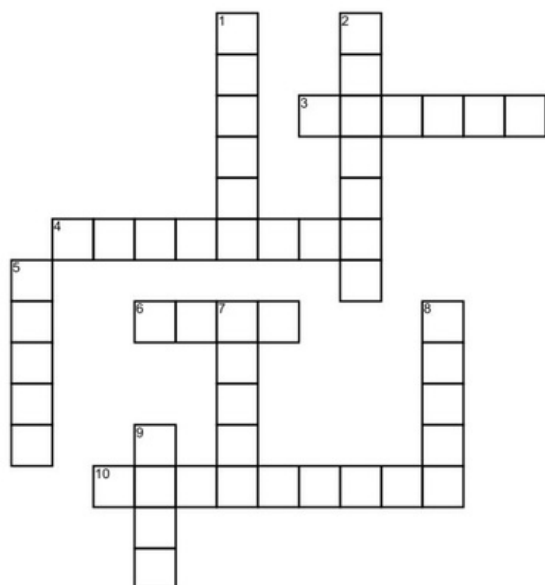


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Have fun!

## General Science Crossword



### Across

3. The unit of force  
4. The force that opposes motion. It starts with an 'f'.  
6. \_\_\_\_\_ is the amount of matter in an object.  
10. We measure volume using a \_\_\_\_\_ cylinder

### Down

1. The force that acts on an object due to gravity is called \_\_\_\_\_  
2. Something made up of the same kind of atoms is called an \_\_\_\_\_  
5. A push or pull  
7. The three states of matter are gas, liquid and \_\_\_\_\_.  
8. A unit of mass.  
9. Another word for air resistance.



## Something to think about!

In the Ocean of Deduction lies the logical island of If. People born here belong to one of two tribes: the Alethians and the Pseudians. The only way to tell an Alethian from a Pseudian is to talk to them. Alethians always speak the truth, no matter what they are saying. Pseudians will always utter falsehoods, no matter what they are saying. At the centre of the island, the Master of the Alethians keeps the Ledger of Identity, a book that lists the names of everyone born on the island together with their tribe. The information in the Ledger of Identity is correct and freely available to anyone who asks.

One day, an intrepid explorer arrives on If. She encounters various inhabitants and identifies them as Alethians and Pseudians by asking clever questions.

After several successful such encounters, she meets a man called Kurt. The explorer does not know his tribal affiliation, but before she has time to ask him a question, he says "You will never have concrete evidence that confirms that I am an Alethian."

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1. Is Kurt an Alethian, a Pseudian or neither?
2. How might this relate to Gödel's incompleteness theorem?



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## Today's Article – An interview with a special friend– Bogdan Iliescu and the mysteries of the brain



Doctor Bogdan Iliescu is one of the key-note speakers we are eagerly looking for every year on the week of the festival. His friendliness, intelligence and charisma, along with his amazing knowledge about the human brain and about life in general make us enjoy every meeting and always follow his useful advice in order to be happy, healthy and well-informed.

Why did you decide to become a doctor? When did you know that this dream was for you?

The wish to become a doctor is like a virus. You cannot escape it if you really dream about becoming a doctor. You just have to try it and to follow your dream. When you know, you know and it is important to listen to your wishes.

I have dreamt of becoming a doctor since I was 5 or 6 years old and that was my only plan. I couldn't think of something else. This is what makes me happy. No matter what others say, just do what you want.

We are all book lovers. Can you tell us if this 'healthy habit' stimulates the brain in any way?

Of course! Reading from a physical book especially– I, for one, cannot read from a screen. It is simply not the same thing. Reading is not just the physical activity, but it also activates a lot of functions. No great personality succeeded in his life based on what he heard from other people– he or she read on his/her own and learnt on his own. And it goes the same with handwriting– whenever you have the chance, write on a piece of paper. You will feel smarter than writing on your phone. It stimulates your brain greatly.

Could you recommend a book that helped and inspired you when you were a teenager?

I could speak about this for days! I will recommend some books, as a friend: the Harry Potter series– before watching the movie! You will notice that the movie your mind creates will be way, way better than the one you can watch on a screen! Read, read and read. Einstein did this and as you know, he became a genius. Even the relativity theory was imagined first and then created! Reading will help you imagine and find thousands of possibilities! Jules Verne, James Clavell or any other book that make you imagine and ask yourselves interesting questions is worth reading!

We know about your project– I Brains, an institute of advanced research of the brain. Please, share with us a dear memory connected to this project.

This project began 12 years ago and I met my actual wife in the process, so it really changed my life in many ways. It helped me think ahead and think a lot about the future. You also have to think ahead and be leaders, by thinking out of the box and in the future. When the project is greater than you, you must do everything for it to succeed! A vision without execution is hallucination– so when you have a great idea, work for it to become true and it will also help you grow!

In our school there are a lot of students who think about studying abroad. You came back to Romania, even if you studied in the USA. We would like to know what brought you back.

First of all, the system there did not allow me to become a neurosurgeon. Secondly, a Romanian in the USA has a very distorted image– in a good way! They treasure us, as Romanians are very intelligent people. When I realised this, I knew I had to come back and make use of my resources in my own country and not become just another brick in the wall there. A part of my heart is still there, in Texas, but I had to choose what was more important for me.



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## Carousel of Experiments

