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Sedat IŞIK School Principle

Advisor

Tuğba KONAL MEMIŞ English Teacher

Editor

Su Beril SIDER Eylül TÜRE

Designer

Derin DENIZYILMAZ Ela AKYOL

Proofreading

Omar ESPINOLA English Teacher

Writers

Sena Miray ÖZCAN
Eylül ER
İrem BADUR
Arda DINÇ
Elif TURGUT
Kuzey ERKOÇ
Özgür ZAMAN
Kerem SERT
Eren BAYTÖRE
Efe Saim SÖZEN
Ali Osman KARŞU
Mehmet Akif ALBAYRAK
Aylin DAĞLI

Ece Tuna AKDOĞAN Zeynep ERDOĞAN Habib Doğanay DÖNMEZ Emre ÖZDOĞAN Zümra Nur ŞAHIN Ufuk SÖYLEMEZ

Göksu GÜREŞ

Address

Ylldız Caddesi No. 73 34359 Beşiktaş/Istanbul Tel:0 (212) 227 4610 www.sabancilisesi.meb.k12.tr

Press

Murat Ofset Matbaacılık Tel: 0 (212) 567 5224 muratofsetmatbaa@gmail.com





"The limits of my language are the limits of my world" Ludwig Wittgenstein

Out of the world's approximately 7.8 billion inhabitants, 1.35 billion speak English. The majority aren't native English speakers, though. About 360 million people speak English as their first language. Moreover, the language of trade, politics, science, technology, culture, history and art is English. If you are conducting an international study or doing research, whatever the subject is, most of the resources you can easily access are the ones produced in English. It is obvious that being a world citizen depends heavily on knowing English.

Sabancı English Department, in line with the vision and mission statements of the school, has the mission of training the students as world citizens with effective communication skills. To this end, our school has started to implement the IB Diploma Program in the 2020-2021 academic year and it will produce its first IBDP graduates in 2023. As a requirement of the program, our students are exposed to an intensive English program in preparatory class. We adopt the communicative approach, where the students are exposed to naturalistic target language and make use of authentic materials. We also have experienced native speaker teachers with whom students can practice English.

As well as taking part in conferences and contests, Sabancı English Department hosts local and international events. In 2020, we hosted nationwide Model United Nations Conference called MUNSA with the participation of nearly 300 students from 20 schools. This year our club works very actively and every two weeks students come together and they hold mock debates. So far, we have attended Kadir Has University and Galatasaray Lisesi MUN Conferences and many of our students have been awarded with outstanding delegate and best delegate honors. We are planning to hold our second edition of MUNSA Conference in May. Our students are planning to attend several national and international conferences as well. We have a cooperation with Boğaziçi University and Sabancı University MUN Clubs and the students are going to come together and conduct mock debates. Also, we celebrated "European Language Day" with prep students and they introduced themselves in different languages.

As well as MUN Conferences, we also participated in an international online conference named "Women Who Changed the World" with India and Peru as members of UNESCO Club. Our priorities are to organize some activities to raise awareness on special days defined by UNESCO. Our club holds monthly meetings to take action based on the predefined schedule. Furthermore, we have been running a Scrabble Club and planning to have tournaments in April at school and in the city.

At the very beginning of this term, we decided to continue our English Drama tradition, which we have been maintaining since the 2000s, after the two-year pandemic. As the English Drama Club, we have set out to stage the play "The Tragicomedy of Julia Caesar", which questions gender equality, political power and hypocrisy with a group of enthusiastic 'Prep' students. As every year, we hope and plan to meet with our audience within the scope of 19 May Atatürk Commemoration and Youth Week.

As an English Department, we have been conducting various e-Twinning projects through which the students have the chance to communicate with international students. Together with our 8 partners from various countries, we started the "Heal the World" project. This project aims to increase and develop our awareness about the need to be more responsible from an environmental point of view. This year, we hope to have a good time with the meetings, competitions and events we will organize with our partners and to turn our world into a more livable place. In addition, the "Old But Gold" project focuses on The Canterbury Tales by Geoffrey Chaucer. It is an old but gold work of English literature. Seven tales are chosen and studied in a fun and creative way. It is expected to make a connection between the past and the present by drawing conclusions from the tales. Furthermore, "Poetry Together" will be a project about learning some important American and English poets and their most important works. In this project, we will not only explore important poets and their works, but also learn how to translate poems to other languages and even write poems in English. We will also translate famous poems of our own countries into English and get to know more about our partners' culture.

Furthermore, we have set up a school partnership with Gribskov Gymnasium from Denmark. We are going to exchange students and teachers next semester. We were also awarded with 2 Bronze and 1 Gold Medals at the symposium organized by the Malaysian Ministry of Education. We will try to improve new school partnerships with various schools in foreign countries to develop intercultural relations. To conclude, our department policy is to train individuals who are aware of social and universal problems and respectful to human rights and different cultures and who are well equipped with English language and can communicate fluently in English.

Arzu UYSAL BALOĞLU
Ayşe Şule KILINÇ
Murat ÇETİN
Nevin ÇINAR
Nurcan FİDAN
Öznur ÖZTÜRK GÜLKAYNAK
Semra KOÇAK
Sergül Makbule PETEK
Tuğba KONAL MEMİS

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HOW ANTS RULE THE WORLD

WRITTEN BY SENA MIRAY ÖZCAN



Ants are small creatures that most of the time are not even remarkable enough to be the center of attention. Despite their extremely harmless and simple appearance, ants have a whole world, society and behavior of their own.

ANTS? ANTS.

One of the factors that makes ants insignificant for us is that they are everywhere at all times. In fact, their omnipresence is not an illusion, ants are indeed scattered throughout the world. Argentine ants, particularly, have spread all over the world except Antarctica with their global everlasting invasion. The fact that ants are so common also makes us humans recognize them. "There is a word for 'ants' in nearly all languages," says Philip Ward. "It's a universal idea. That's not true for many insects."

It is true that the world has not always been an ant's world. Studies have shown that modern-day ants first evolved around 120 million years ago. Nevertheless, they are still valuable in terms of ecological importance. Ants turn and aerate the soil, which allows water and oxygen to reach plant roots. They are also a part of seed dispersal and providing food for many different organisms.

VICTORY AT ALL COSTS

It is clear that ants are everywhere. What lies behind this success is their determination and dedication. Forelius pusillus ants have a unique way to avoid their enemies. Every night, Forelius pusillus ants protect the colony by sealing off the entrance of their nest with sand. In order for the colony to do this, some ants work from the outside, completing the job. However, they die by the next morning, unable to re-enter once the entrance is closed. According to Science magazine, they are "the first known example of a suicidal defense that is preemptive rather than a response to immediate danger."

The eccentric world of ants may put the biology world and humans' behaviour in perspective.



LIVING ARCHITECTURE

On the other hand, ants do not settle in one place and stay there forever. Some ants walk through the woods every night, looking for a new place. During this journey, they solve the obstacles they encounter in their own way: building living architecture. If there is a gap on the way, ants make a bridge from themselves and pass through it. "There is no leader, no architect ant saying 'We need to build here," says Simon Garnier, in a study focused on when an army ant colony decides to build a bridge.

Moreover, ants are pretty advanced at using their bodies to build towers and even nests, as well. Both army ants and fire ants build temporary nests called bivouacs which are made from hundreds of the ants themselves in order "to protect and raise their young.

HOW TO SPEAK ANT

From suicide for the survival of other ants to building architecture as a group, ants show that they are social insects. Their communication is mainly based on teamwork. At the same time, they have quite a bit of different ways to communicate. Rubbing their antennae together, through sound, but for the most part ants communicate with odorous chemical substances called pheromones. These chemical particles can have many functions within a species which is mainly a part of regulation of social behaviours.

It can be seen when the old queen releases pheremones that cause workers to feed certain larvae in order to produce a new queen who will take over when the old queen dies.

Ants seem to be complicated creatures with many skills, which is impressive for an insect with an undemanding look. And maybe they can bring the world to its knees with their numbers, self-discipline and social cohesion.

NUCLEAR ENERGY: REMNANT OF THE PAST OR THE FUTURE OF ENERGY?

WRITTEN BY EYLÜL ER

Nuclear energy makes 10% of the world's energy production. It is one of the best alternatives for fossil fuels. While it can save the Earth, an accident at a power plant can kill countless people. So, is it worth taking the risk?



There are several benefits of nuclear energy. First of all, it saves lives. According to NASA, nuclear power has prevented around 1,8 million deaths. By reducing the usage of fossil fuels, countless cases of cancer has been avoided. Secondly, nuclear energy is way less harmful to the environment in terms of climate change. The largest contribution the climate change is caused by fossil fuels. They may be cheaper than nuclear energy but they produce CO2 and other types of harmful gases. Storing nuclear waste underground is a bad idea but releasing chemicals into the atmosphere is even worse. This means that we can save the Earth by switching to nuclear energy.

Nonetheless, nuclear energy has it is own downsides. In particular, nuclear waste and pollution are both highly poisonous and radioactive. Only after thousands of years the waste can become harmless. Nuclear waste is buried underground but scientists still do not know a place where it can be safely contained for thousands of years. What is more, nuclear power plants can be dangerous. Over sixty years of nuclear power usage, there have been seven major accidents. Four of them released significant amounts of radioactivity into the environment. The number of direct fatalities were around one thousand, while indirect kills by radioactivity are much higher. Plus, since the areas were contaminated, they were rendered unfit for human habitation. As a result, nuclear energy is dangerous if it is not properly being taken care of.



All things considered, nuclear energy can be used until we have a better way to produce energy. Also developing technology may solve the problems of nuclear waste and dangerous power plants. Therefore, it would be the best if we did more research before building nuclear power plants.

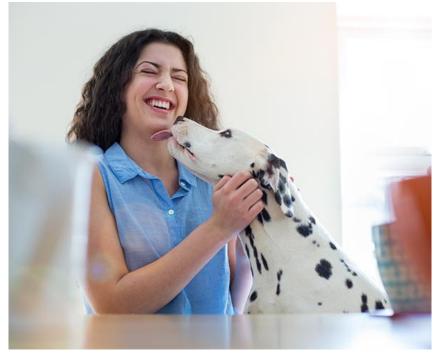
UNCONDITIONAL LOVE, DEVOTED COMPANIONSHIP, CONSTANT ENTERTAINMENT

WRITTEN BY IREM BADUR

Having or raising pets has benefits and difficulties. In my opinion, the advantages outweigh the disadvantages. Having a pet is like having a child – you need to take care of another life. Although it is a big responsibility, living with them and caring for them can also be a great experience, very entertaining and give unconditional love. As I explain below in detail, pets have psychological, medical and social support to their owners.



First of all, pets make us feel less alone. They can be there for you even when people can not. They offer emotional support and constant cuddles that help stave off social isolation. A national survey of pet owners and non-pet owners by the Human Animal Bond Research Institute found that 85 percent of respondents believe that interaction with pets reduces loneliness.



Secondly, pets make us happier. Playing and spending time with them releases serotonin and dopamine hormones in the brain. These hormones help us relax and calm down. A 2009 study in Japan found that staring into your dog's eyes raises your level of oxytocin, also known as the "love hormone." This hormone response is triggered whenever we feel a sense of social bonding, connection and attachment. Besides the general health benefits of owning a dog, they are natural mood boosters. Those with AIDS are less likely to suffer from depression if they own a pet according to a 2017 study. In another study, researchers asked individuals to rate people in photographs and found that people looked happier and more relaxed when they appeared with a dog.

Owning a pet can help you live longer. Modern life is stressful and high levels of anxiety can lead to numerous health problems. Luckily, pets can really help us relax – stroking your cat or simply watching fish swim around in a tank can make your worries melt away. Previous studies have proven that pet owners tend to have lower blood pressure, cholesterol and triglyceride levels than people who do not own a pet. That means having a furry pal can decrease the chances of suffering a heart attack later in life. Pets can also improve your immune system. As they spend a lot of their time outside and therefore bring all sorts of dirt and germs into your home. The additional germs can help improve your immunity to colds and other mild illnesses.



Dogs help us meet new people. make friends and make us more social. Having a dog can be immensely helpful when you're looking to make new friends, date or just get to know more people in your community. A study found that young people (age 18 to 26) with strong bonds with their pets also reported higher levels of connection and satisfaction with their community and relationships.



When you own a pet, you feel more responsibility. Because if you have a pet you have to manage your time better to make extra time for your pet. Pets can also teach children compassion and responsibility when a child cares for a pet. A child can learn how to educate it and love another creature. Additionally, there are many proven ways pets have a positive impact on children. A study indicates that attachment to pets, including dogs, can help children regulate their emotions. The survey also found that having a pet as a young teen and young adult was correlated with a greater sense of empathy and confidence in those individuals.



SUMMER OLYMPICS

During the Olympics, billions across the world are glued to their television sets in order to watch the best athletes in the world compete in their sport. There was a Summer Olympic Games in Japan between 23rd of July - 8th of August 2020. One of the most popular Summer Olympic Sport is Archery. The best archers all over the world show their skills and try to win the Gold Medal.

Archers have 20 seconds to shoot each arrow from 70 meters. In this sport, every archer shoots 3 arrows in each set, the top score is 2 and the lowest score is 0. The archer who has the most points eliminates the other one. In 2020 Summer Olympics the Turkish Archer Mete Gazoz won the Gold, the Italian Archer Mauro Nespoli won the silver and The Japanese archer won the bronze medal.





WINTER OLYMPICS

WRITTEN BY ELIF TURGUT

On this page, I'd like to talk about the Winter Olympics which will also be held on February 4, 2022 and end on February 20, 2022 in China. The winter Olympics is an international competition event that happens once every four years. You may be wondering "Why are the Olympics held once every four years and not every year?" well I did some research and apparently, in Ancient Greece they used this period as a unit of time measurement so they kept this as a tradition to show respect. The Winter Olympics first appeared on January 25, 1924, in Chamonix in the French Alps and four years later the International Olympic Committee (IOC) organized the second Winter Games which was also the official beginning of these games. Some examples of the sports in the winter Olympics are; skiing, curling, figure skating, snowboard, ice hockey, etc. Now I'd like to focus on the oldest Winter Olympics sport which is figure skating. Figure skating is a sport in which a person, pair, or group performs an aesthetic performance on the ice and its name comes from the patterns the skates make on the ice. Even from its name figure skating sounds like an elegant, and more of a visual type of sport. Even though these are true in fact, figure skating also has both physical and psychological effects on the person. I wanted to emphasize this because most of the time ice skating is known as an easy sport when it's one of the toughest sports to be successful at.



I'd also like to mention one of the most known figure skaters: Surya Bonaly, Bonaly is known as one of the most fearless figure skaters in the world. She started to skate in the 90s and back then not many black women did skating. So because she didn't look like the other skaters, the judges weren't fair to her. As a rebellious move, she had an iconic backflip on the ice where she would do a backflip and land on one leg which is almost an impossible thing to do. But like I said black people suffered a lot from discrimination in sports as well, so she wasn't very appreciated by the judges even after a history-making move. But the fact that she was always true to herself, really inspired others to be like her and start to change things for the better. There is also an episode in a Netflix series called "Losers" that tells her story, so you can check that out if you are interested.



American Football wasn't this popular until the Super Bowl started and everything went uphill. One night when an NFL team faced an AFL team, this sport started to become the most popular in America. This event is on the top-ranking TV spectacles every year, worldwide.

American Football is the sport with the highest income worldwide surpassing even soccer and basketball. The American football game is the most inclusive sport in the world with players of all races, physical conditions, and capacities, even deaf people. One of the key facts is that this game has a fundamental purpose in universities and academic opportunities. Many students get scholarships to play this game and study and eventually improve their work opportunities if they don't become professionals. College football is as prestigious as the NFL; this league produces many players who eventually finish playing in a professional association or end up with a college degree as a cause of playing in an American football team. And that's why it has become so popular with time. People in America love it not only because of how fun it is, but because it gives the chance to work, study, and still have fun playing it. Young and old people can benefit from being involved in it, and that makes it precious.





doubt, is a highly valued sport in the United States. The fact that every single person in the United States loves this game is one of the reasons why most kids dream of becoming an NFL(National Football League)player when they grow up. That indescribable feeling you get when you finally manage to show yourself out to the world, to the entire country. Playing American Football is the easiest path to go down. Parents also encourage their kids to play American Football as well because what could be a better way of entertainment than their own kids playing the sport that they're incredibly passionate about it. It's also a great and healthy way to stay in shape.

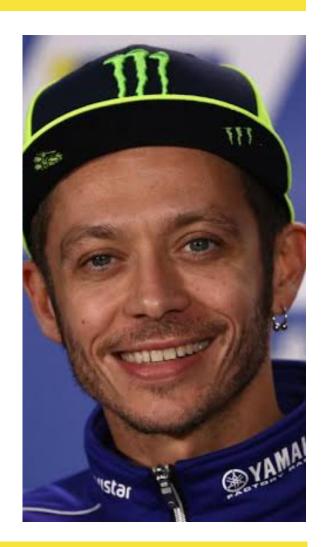


THE LEGEND: VALENTINO ROSSI

WRITTEN BY ÖZGÜR ZAMAN

He is perhaps best known as The Doctor, but has long since evolved into a completely different animal: the Goat. All time. It is difficult to argue with the influence of Valentino Rossi on Grand Prix motorcycle racing. Even the 15-time world champion and original GOAT Giacomo Agostini would probably nod in agreement. In 26 seasons of GP racing, Rossi has scored 115 wins, 235 podium finishes and nine championships, including seven in the MotoGP class. But Rossi's character, passion and charisma shine brighter than any of his trophies. His fans are always faithful, his presence is noticeable everywhere, and he has taken MotoGP to parts of the world that may have not even seen motorcycle racing before.

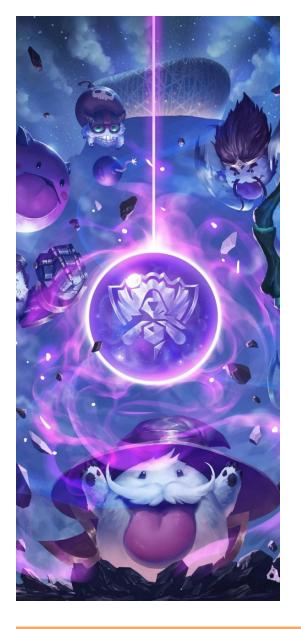
The photo group Milagro and Gigi Soldano were there and saw it all through the viewfinder. From the first 125cc Rossi race, Milagro has described the achievements of the bright yellow sun that is Rossi. But more importantly, he communicated Rossi's lust for life, seizing Rossi's speed and tenacity in an instant. His photos are a look into Rossi's head and heart. Without these pictures, Rossi would still be a GOAT. But Milagro's photos contributed to Rossi's immortality. Rossi will retire from Grand Prix racing at the end of the 2021 MotoGP season.



E-SPORTS AND LOL WORLDS 2021 WRITTEN BY EREN BAYTÖRE & EFE SAIM

The E-Sports industry has gained a serious amount of followers and attention in the last 15 years or so. So much that it is funded and supported by companies and investors all around the globe. If we were to take a look at the games that were at the top in the industry, almost for a decade at that, they all require some sort of strategy or plan-making skills to be successful at. This enhances the feeling of competition and makes games more popular. There are mainly a couple of games that are played consistently and competed upon regularly. Those are:

SÖZEN



For instance, the game "League of Legends" has a huge fan base and has had its own e-sports tournaments for almost a decade! They organize World Championships almost every year which gains a lot of popularity and attention. The 2021 League of Legends Worlds Championship was one of the biggest esports organizations in 2021. It was the crowning event of League of Legends esports for the year. Worlds 2021 was the tournament for the MOBA (multiplayer online battle arena) video game League of Legends. It was the 11th world championship. The tournament was organized by the game's developer, Riot Games. The tournament was planned to be held in China but due to the changing Covid-19 situation and epidemic control policies in China event has been moved to Reykjavík, Iceland. The tournament started on 5 October and finished on 6 November. The tournament welcomes 24 teams from all regions of the game. 4 teams from China, 4 teams from Korea, 3 teams from, Europe, 3 teams from North America, 2 teams from PCS (Taiwan, Hong Kong, Macao, and Southeast Asia) 1 team from Brazil, 1 team from CIS (Commonwealth of Independent States), 1 team from Japan, 1 team from Latin America, 1 team from Oceania and 1 team from Turkey. Galatasaray represented our country in Worlds 2021. The prize pool for this tournament was USD 2,225,000. The champion has won \$489,500. 2nd team has won \$333,750, 3rd and 4th teams \$178,000, and 5th-8th teams \$100,125. Every year Riot Games introduce a new theme song for the tournament. This year "Burn It All Down" was the tournament's theme song.

NINTENDO'S PLACE IN ESPORTS

WRITTEN BY KEREM SERT



In order to talk about Nintendo's place in esports, we should talk about their philosophy first. Nintendo is a company that makes games 'accessible' and 'fun to play' for everyone. They're more of a 'family friendly' company which means acknowledging and supporting the esports scene behind one of their games can be seen as a direct counter to their mindset. But that doesn't mean Nintendo always disliked esports. They're among the first on the scene to support esports with their Nintendo World Championships in 1990 and Nintendo Powerfest in 1994. But after that, Nintendo just stepped back from esports for a long time. The company always had an on and off relationship with esports thanks to Super Smash Bros series. They mostly stayed uninvolved and never directly engaged with esports again until 2014 with the Super Smash Bros Invitational and a

Splatoon Tournament in Japan with over million dollars prize. But mostly, they acted like they hated esports. They prohibited Major League Gaming from livestreaming matches of Super Smash Bros. Brawl. in 2010, cancelled The Big House SSB tournament because the tournament required the usage of Slippi, which Nintendo claimed was illegal. In NA Open Splatoon event, some teams protested Nintendo by changing their names to support the #SaveMelee movement so Nintendo decided not to livestream this event either. Looking to the past, Nintendo had a rough time with esports. But what about the future? Can Pokémon UNITE become as popular in esport scenes? Pokémon UNITE is a new MOBA-like Pokémon game with cross-play on Switch and mobile. It's described as 'An intense MOBA with a friendly skin.' Of course, it has its problems but none of them are too big to be in the way. Let's look at the gameplay first. As someone who has played the game for a long amount of time, I can say that its quite enjoyable as expected. It also offers plenty of space for out-playing opponents on your skill. You need to dodge, use items and special abilities in the correct time in order to win, just like other MOBA's.



There is also a feature called 'Fair play points' which reward good player behaviours and ban griefing players. It also has its downs such as the 'lack of creeps'. You can't also see game replays which is normally essential. The game is also a 'Free-to-start' game which means you must pay real-life money in order to have some potential shortcuts or unlocking more characters and levelling up faster etc. Which might be a barrier for new players. But these downsides could be fixed with simple adjustments and updates.



LATEST MACBOOK PRO

WRITTEN BY ALI OSMAN KARŞU

We know that Apple is one of the most famous technology brands in the world. Apple presents the newest technology gadgets every single year. We can see Apple devices mostly from people who deal with business. Because they are designed for work not for gaming. 20 million Mac and MacBook units were sold in 2020. This is the statistics of 2020. Since the year 2021 hasn't finished, we don't have the statistics yet. The strongest version of MacBook Pro 2021 includes an Apple M1 Max chip with 8 performance cores with 2 efficiency cores CPU, 32 cores GPU, 16 core Neural Engine and 400GB/s. Actually these features are the best among business laptops. Of course we can not compare them with gaming laptops, they are much stronger.

What are the other technologies MacBook Pro with m1 max offers? It provides you with one of the best screens on the market. The Liquid Retina XDR display on the 16-inch model of the MacBook M1 Pro measures 16.2 inches. The 16inch display features 3456×2234 resolution at 254 PPI.

The 14-inch MacBook M1 Pro is powered by a 70Wh lithium-polymer battery that Apple claims will last up to 17 hours of Apple TV app movie viewing and 11 hours of wireless web browsing. The 96W USB-C power adapter that comes with the MacBook M1 Pro supports fast charging as well.

A 100Wh lithium-polymer battery powers the 16-inch MacBook M1 Pro and can last up to 21 hours of Apple TV viewing and 14 hours of wireless web browsing. The supplied 140W USB-C power converter supports fast charging once more. The MacBook Pro M1 Max uses the same 1080p FaceTime HD camera as the MacBook M1 Pro as well as the same audio features, like wide stereo sound and spatial audio with Dolby Atmos.

What About the price? The price of the new MacBook Pro is very expensive compared to other options. But if you need power and you have the money, this laptop was created for you! On the other hand, if you are looking for a thin and lightweight laptop, you should have a look at other options.



NVIDIA'S RTX 3090

WRITTEN BY BEDIRHAN BEŞALTI

The Nvidia GeForce RTX 3090 still rules the roost, even despite AMD's efforts to topple it. Nvidia's newest flagship boasts 24GB of GDDR6X RAM tucked behind that huge heatsink, and it delivers when it comes to hardcore gaming and 3D rendering. In fact, it has since replaced the manufacturer's two highest performing graphics cards of the previous generation, the Nvidia Titan RTX and the RTX 2080 Ti.

Even with the newest AAA games, the Nvidia GeForce RTX 3090 delivers amazing 4K performance and can even handle 8K gaming at 60fps, though it's not quite perfect at that level. So, while its predecessors may have set a high bar to meet, it's proven to be up to the challenge. In fact, while it can handle the best PC games without breaking a sweat, it's more attractive to those who need some heavy graphical lifting for 3D animation and video rendering.

Especially at that price. Unfortunately, the Nvidia GeForce RTX 3090 also comes at quite a premium, making the slightly more affordable RTX 3080 and the 3090's rival, the Radeon RX 6900XT, more attractive to most mainstream gamers. The 3090 is, by far, the most powerful GPU in the consumer market, but it still best serves those who don't care about the price and want the best or those with projects that require hardware-accelerated rendering.



VIRTUAL REALITY

WRITTEN BY MEHMET AKIF ALBAYRAK

VR is an acronym that is used for "Virtual Reality". Virtual Reality is an experience simulated by a computer. Users of the VR technology use special tech equipment such as VR headsets, motion platforms, controller gloves and controller guns to make them feel like they are in that computersimulated world. The users seeing, hearing, touching and walking in the computer-simulated world makes that experience quite realistic.







VR'S PROGRESSION

The origins of VR technology dates back to the mid-1950s. The first things that could be considered as a Virtual Reality device was called "Sensorama". Sensorama was a VR device that played 3D films with extra realistic effects such as corresponding vibrations, head movements, sounds and rushes of wind. If you lived in the 1960s you could experience a ten-minute-long motorcycle ride through New York City for 25 cents with this machine. In 1968 Ivan Sutherland created the first augmented reality HMD system that was called "The Sword of Damocles". This head-mount that was suspended from the ceiling could show simple virtual wire-frame shapes that were simulated by a computer. Thanks to it's tracking system 3D models changed perspective when the user moved their head. It was never commercialized because it was too heavy for users to comfortably wear.

Kruger's VIDEOPLACE that was developed in 1975 was the first interactive VR platform. Cameras were used to capture the users' silhouettes and the users could see their computer-generated silhouettes doing whatever movement they did on the screen. Users could interact with other users and computer-simulated objects. In 1979 MCDonnell-Douglas Corporation developed the VITAL VR helmet ,that could follow pilot's eye movements, for military use In 1985 VPL Research, Inc. became the first company to sell VR goggles, gloves and a range of VR equipment. In the following years VR technology kept developing and becoming even more realistic. VR technology is now more affordable than ever and has a wider range of use than ever.

THE FUTURE OF VR

There is no reason not to believe that VR technology will keep getting more realistic ,more sophisticated and more affordable in the future. The range of its use will also widen. It will be possible to use VR in all kinds of things from vocational training to tourism. VR will become an indispensable part of our lives.

And there is this linked thing that's called "Metaverse" that can even be the future of human life but that topic has a title of it's own in our technology page. Make sure you check it out to further see what VR technology will evolve into in the future and how big of a part of our lives it will become.

ARTIFICIAL INTELLIGENCE

WRITTEN BY ALI OSMAN KARŞU



The simulation of the human intelligence processes by machines, particularly computer systems, is known as artificial intelligence. They don't require the control of a human brain. We've been seeing AI for a few years now, and it's still in the early stages of development. Artificial intelligence, according to experts, is a factor of production with the ability to provide new sources of growth and revolutionize the way people operate across industries. According to experts, it has the potential to transform a variety of industries, including the removal of human labor.

How does AI work? When you enter a dark room, the sensors in the room detect your presence and turn on the lights. This is an example of non-memory machines. Some of the more advanced AI programs are even able to predict your usage pattern and turn on appliances before you explicitly give instructions.

Some AI programs are able to identify your voice and perform an action accordingly. If you say, "turn on the TV", the sound sensors on the TV detect your voice and turn it on. With the Google dongle and a Google Home Mini, you can actually do this every day.

The development of full artificial intelligence could spell the end of the human racelt would take off on its own, and re-design itself at an ever increasing rate. Humans, who are limited by slow biological evolution, couldn't compete, and would be superseded.

ADVANTAGES OF ARTIFICIAL INTELLIGENCE

Faster Decisions: Using AI alongside other technologies we can make machines make decisions faster than a human and carry out actions quicker. While making a decision humans will analyze many factors both emotionally and practically but AI-powered machines work on what is programmed and deliver the results in a faster way.

Helping in Repetitive Jobs: In our day-to-day work, we perform many repetitive tasks like sending a thanking mail, verifying certain documents for errors and many more things. Using artificial intelligence we can productively automate these mundane tasks and can even remove "boring" tasks from humans and free them up to be increasingly creative.

Available 24x7: An Average human will work for 4–6 hours a day excluding the breaks. Humans are built in such a way that we require some time off to refresh ourselves in order to get ready for a new day of work. We even have weekly offers to stay intact with their work-life and personal life. But using AI we can make machines work 24x7 without any breaks and they don't even get bored, unlike humans.

ARCTIC MONKEYS ARI COMING TO TURKEY!



The UK's beloved indie rock band, Arctic Monkeys has just announced new tour dates and a new album out of nowhere! What more can a fan want? The band had been hibernation for three years and when the news about their 7th album and tour dates emerged, the hype became unreal. Who couldn't listen to Alex Turner, the lead singer and yelling "Don't guitarist, believe the hype" 15 years ago? You've been missed, guys.

The Turkey show will be taking place at Zorlu PSM, which has a capacity of approximately 3200 people, on the 9th and the 10th of August. The show's tickets were sold out in two minutes, leaving a lot of people in disappointment. Ticket prices were surprisingly cheaper than expected and it made fans who couldn't get the tickets even sadder. They have also announced that they will be headlining festivals in Paris, Budapest, Zürich, Lisbon, Malaga, Buftea in the summer of 2022. The Arctic Monkeys are a live band more than a studio band and they make absolutely great shows, it isn't surprising that they got "Best Live Band" awards. You couldn't blame all those people for trying to see the band with their own eyes, they have a point. If we read the news about the new album, it's sure that the fans had a weird way of learning about it. A venue in Suffolk has reported that the band had finished recording their new album and that they could hear the double bass, drums and piano wafting out of the doors. Of course, the website took down the news a few hours later.

A few months later, the drummer, Matt Helders stated that the album is "pretty much finished" and likely to arrive in 2022 ahead of a summer tour. Well, that was enough for the content starved fans. The band members don't even have social media accounts except for Agile Beast, and Matt Helders, who mostly posts about photography. Alex Turner wasn't seen for about 350 days, making us think how it is possible for such a famous person to stay out of the spotlight. He doesn't want fame so couldn't it be because he developed techniques of disguisement like Sherlock Holmes?



CAT-COFFEE AND MUSIC: LET'S PAY A VISIT TO GIZLI ORKESTRA

WRITTEN BY ECE TUNA AKDOĞAN

ENJOY THE JOURNEY OF LEARNING



Now, we are going to take you to the loveliest place of all. A little, cozy factory of music in Gayrettepe, Balmumcu. It is a music school with the options of drums, piano and guitar lessons. Their door is open for everyone who wants to make music a part of their life. One of the most beautiful things about this place is that you are not expected to be something big. People who take lessons there are going there simply for themselves, they learn music for themselves, they make music for themselves and nothing more. When people are "graded" or forced on a goal, they tend to be discouraged. They lose their enthusiasm and ambition but it is the opposite here. A perfectly balanced, both professional and friendly, learning atmosphere is what they have. You just want to be there and do more. It is like magic!

HEART ON THE SLEEVE

To understand a place, you should also understand the people inside it. So here are some questions we asked to the instructors there:

What is music? What does it mean to you?

- Music is the feelings that I have been in since I was born and channel my life which I met with the assistance of my father. Levent Kalan (piano instructor)
- It is a feeder of the soul, an essential. Not just for me but for most people. We can find music for every situation or mood. We can enter or get out of them with it. - Deniz Kaymaraz (drums instructor)

What does Gizli Orkestra mean to you?

- Friendship and music Levent Kalan (piano instructor)
- Gizli Orkestra is actually the attempt to get together under one roof and create a world for themselves by people who speak the same language (the language of music). - Deniz Kaymaraz (drums instructor)



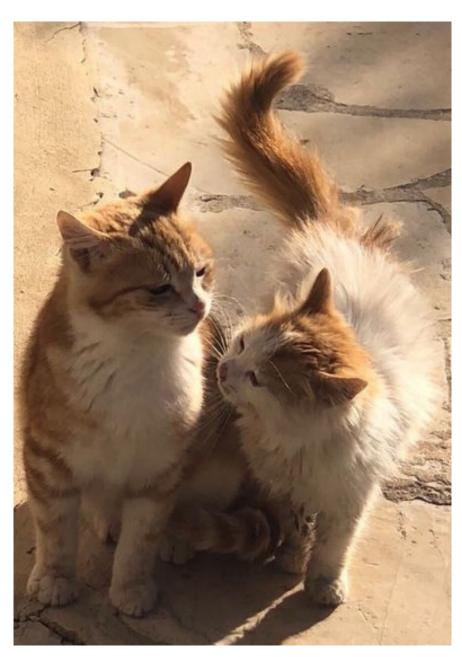
What is your goal at Gizli Orkestra?

- To introduce music to people, make a change in their life with music. Levent Kalan (piano instructor)
- Our goal is to make as many people as possible love music and create positive changes in their life with this helpful phenomenon (music). Deniz Kaymaraz (drums instructor)

How do you think instruments and music should be taught?

- It actually may change among the teachers but for me, patience, serenity and friendliness. Everyone can play an instrument so I would not want someone to dislike the feeling they will experience just because they encountered the wrong situation or person. That is why to learn music and many other things in our life, it is important to be with the right person. Levent Kalan (piano instructor)
- Of course, with love:) We can see that everything that is made without delight is lacking. So we try to look from this side with the people who come to Gizli Orkestra. This makes things a lot easier. Deniz Kaymaraz (drums instructor)

SWEET, SWEET HOME

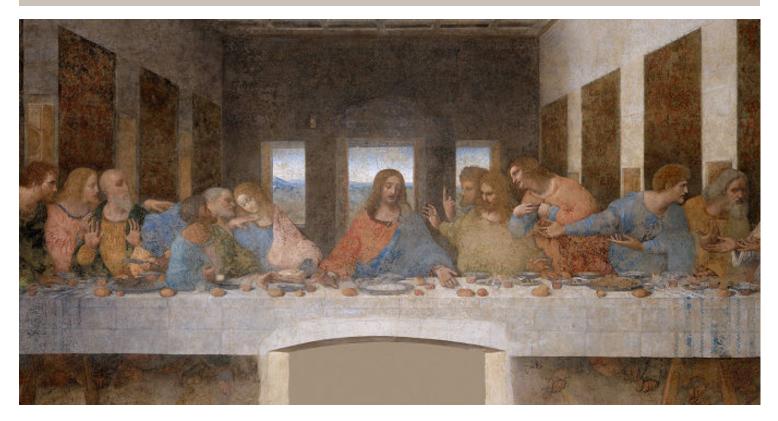


As you can see, GO is much more than just a music course, it is a home for music and people who love music. When you enter the building, you encounter three things which bind your heart there: cats, the aroma of coffee and music. It becomes a safe space to escape from the world and lose yourself to music, surrounded by the soft smell of coffee and purring of cats. If you want to be a part of this, GO is waiting for you...



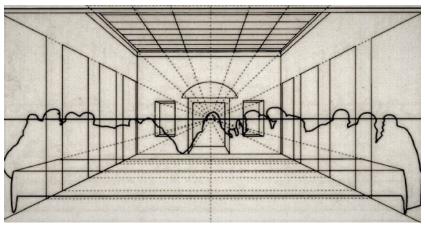
THE LAST SUPPER LEONARDO DA VINCI

WRITTEN BY ZEYNEP ERDOĞAN



In 1495, Leonardo da Vinci began his artwork - The Last Supper, which would become one of history's most effective works of art. Specifically, The Last Supper portrays the few seconds after Christ dropped the bombshell that one disciple would betray him before sunrise, and all twelve have given different reactions. He told them to do that (the Eucharist) in remembrance of him while referring to the bread as his body and the cup of wine as the new covenant in his blood. It was the first celebration of the Eucharist, a ritual still performed. Speculations about symbolism in the artwork are ample. For example, many scholars have discussed the meaning of the spilled salt container near Judas's elbow. It has been said to represent his betrayal, or alternatively, is seen as a sign of his bad luck in being the one chosen to betray. The fish, served has similarly conflicted explications. If it is meant to be eel, it might represent instruction and thereby faith in Jesus. However, if it's herring, then it could symbolize a nonbeliever who denies religion.

THE LAYOUT OF THE LAST SUPPER



Leonardo was famous for his love of symmetry. We see a large table in the foreground with all of the figures behind it. There are equal numbers of figures on either side of Jesus and that makes the painting, largely symmetrical.

What makes the masterpiece so striking is the perspective used which seems to invite the viewer to step into the dramatic scene. To achieve this illusion, da Vinci drove a nail into the wall, then tied string to the wall, making marks that helped guide her hand as he created the angles of the painting.

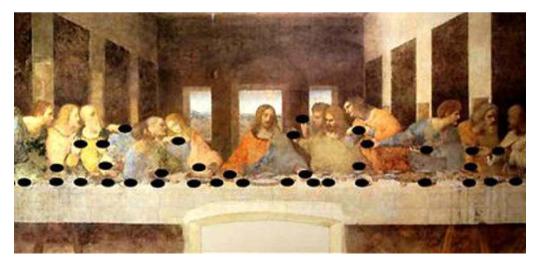
THE LAST SUPPER RESTORATION BEFORE AND AFTER

Unlike traditional frescoes. which Renaissance masters painted on wet plaster walls, da Vinci invented his own technique, in order to spend all the time he needed to perfect every detail: using tempura paint on stone. experimented with tempura paint on a dry, sealed plaster wall in the Santa Maria delle Grazie monastery in Milan, Italy; but sadly it has not stood the test of time well. Over the years it has crumbled, been vandalized bombed and restored. Today we are probably looking at very little of the original.





IT HAS INSPIRED SOME WILD THEORIES.



Musicians have speculated that the true hidden message in The Last Supper is actually an accompanying soundtrack. In 2007, 40 seconds of a gloomy song was created by Italian musician Giovanni Maria Pala who claims The Last Supper predicts an apocalyptic flood that will sweep the globe from March 21 to November 1, 4006; using notes supposedly encoded within da Vinci's idiosyncratic composition.

THE LAST SUPPER ALSO INSPIRED POPULAR FICTION.

A common part of the painting's mythology is the story that Leonardo da Vinci sought through the ages for the right model for his Judas. When he found him, he realized that it was the same man who had once posed for him as Jesus. Sadly, years of hard life and sin had devastated his once angelic face.

But this story is totally false. How do we know that it is false? Stories of spiritual decay manifesting physically have existed for a long time. It is likely that someone decided to use The Last Supper as a similar narrative in order to give its moral message a sense of historical reliability. It is also said that the look of every apostle was based on a real-life model. When it came time to pick the face for the traitorous Judas, Leonardo da Vinci searched the jails of Milan for the perfect-looking crook.

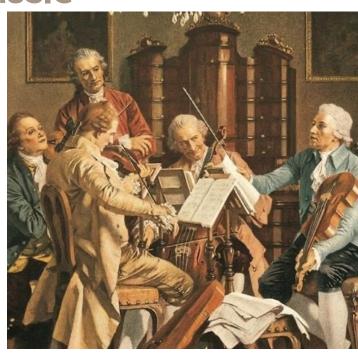


THE TERROR OF ELITISTS: IS CLASSICAL MUSIC REALLY A LUXURY ANYMORE?

WRITTEN BY ECE TUNA AKDOĞAN

THE PLACE OF CLASSICAL MUSIC

Wikipedia.org explains classical music as "The term "classical music" did not appear until the early 19th century, in an attempt to distinctly canonize the period from Johann Sebastian Bach to Ludwig van Beethoven as a golden age. The earliest reference to "classical music" recorded by the Oxford English Dictionary is from about 1829." . When we consider the time period, we can say there were big differences of class that were influenced greatly by economic conditions. Therefore, we can say the type of music we call classical now, was also a high class thing then. Since high class people were the only ones who had the money and the power to be at the opera, orchestra etc. it is only expected that it was seen like that. But in time as human rights and equality improved and we became the society we are today (even though it is not really a dreamland). In today's world, music is accessible to anybody and reaches billions of people at the same time. So is classical music, right?





THE TERROR OF ELITISTS

According to Urban Dictionary an elitist is a person who believes that they are superior to others (and thus deserve favored status) because of their intellect, social status, wealth, or other factors. We actually encounter elitists a lot in our daily life. Like random people who pop in the comment sections and telling people they are not a real fan if they didn't rewatch the show too many times or you haven't been listening to a band "since the beginning". In short, these are the people that sucks your enthusiasm about something out of you. Prevents you from enjoying stuff. Unfortunately, we have those types of people in the world of classical music too. Going around, bullying people who want to experience classical music casually. And they do this just because you do not know every single chocolate chipping composer or have all the musical literature in your mind sharp. As the time passes, people start to think classical music is extremely hard and unapproachable, that they have no right to try it. But why should they not enjoy it? Why classical music should be closeted? There is literally no answer to these. Then we know that this "terror" elitists is also meaningless. So do not let people stop you from doing something that gives you happiness. You can also watch the video "When a casual pianist meets an elitist" by Daniel Thrasher which concludes the issue greatly.

STRANGE AND SCARY LEADERS

WRITTEN BY HABIB DOĞANAY DÖNMEZ

VLAD THE IMPALER



Vlad III, who is known as Vlad the Impaler or Dracula, was one of the most famous voivodes of Wallachia. While his father was ruling Wallachia, he and his brother were held as hostages in the Ottoman capital in order to ensure their father's loyalty. During the childhood in the Ottoman palace, he became friends with the future sultan who was known as Mehmed the Conqueror. In 1448, Sultan Murat II, wanted to have Wallachia as an Ottoman vassal. In order to accomplish this mission, Murad II, sent Vlad to the Wallachia and supported his reign. Yet, he turned out to be a montster. He reigned in Wallachia between 1456 and 1462. This is the period of time why do we call him as a strange leader. He had strange habits. Here are some of the things that he made:

He reigned in Wallachia between 1456 and 1462. This is the period of time why do we call him as a strange leader. He had strange habits. Here are some of the things that he made:

- He couldn't eat anything without watching someone's impalement. Impaling people was kind of a hobby for him.
- He liked to drink the blood of impaled people.
- Once, the Ottoman Sultan Mehmed II, sent envoys to the Vlad. The envoys did not want to take off their hat, which is known as a "turban", because of a religious tradition. Then Vlad ordered his soldiers to nail the turbans of the envoys to their heads so they would no longer be able to take it off.
- The Boyars (princes) of Wallachia had some troubles among themselves. He invited all Boyars to a feast and then killed all of them in order to solve the problem.
- When the Turkish Sultan Mehmed II conquered Wallachia in 1462, the last place that was left was the capital Targoviste. When the Turkish forces arrived, the whole city was abandoned and the only people left in the city were the 20.000 impaled Ottoman Turk. Before leaving the city, he ordered his men to impale every Turk and to display them in the entrance of the city. The Sultan Mehmed II, couldn't believe his eyes and immediately left the city.



IDI AMIN





Idi Amin was a Ugandan soldier. In 1971, when the Ugandan president Obote was on a trip in Singapore, Idi Amin overthrew the government with a military coup and declared himself as the new president of Uganda. In 1972, he deported all the Asians in Uganda. This was the first racist step of Idi Amin. Indians had taken important parts in the administration of the country. He filled the empty positions with the Muslim minority and his relatives in the country. That is why the Muslim minority had golden era under the rule of Idi Amin. He cut off the relationship between Israel and Uganda. This was a reaction to show that Uganda sided with Palestine. As a reaction to this behaviour, UK and USA drew their ambassadors. In 1976, he declared his dictatorship. He called himself as the lifetime president of Uganda. He killed 100.000-500.000 people. In the summer of 1976, a French plane that was carrying Israeli and Jewish passengers was hijacked by Palestinians. It decreased the legitimacy and international recognition of the Idi Amin government. However, his people were happy about the situation until the Israeli special forces came and took the all hostages back to Israel. By 1978, Idi Amin lost his power because of the revolts in the country. In 1979, rebellions arrived to the capital but before their arrival, Idi Amin had already gone to Libya.

THE GREAT EMU WAR

WRITTEN BY EMRE ÖZDOĞAN

Have you ever heard of a country losing to birds? Your answer is probably no but in the vast world of history there is a war that just that, to be precise it's The Great Emu War. The Great Emu war was a fierce war which took place in Australia but in reality it was not even a war it was a "nuisance wildlife management military operation" which began in 1932 to understand why it happened and how they lost against a bunch of birds? Let's dive deep into it.

WHAT IS AN EMU?



An emu is a flightless bird which is unique to Australia. Emus are soft-feathered, brown, flightless birds with long necks and legs, and can reach up to 1.9 metres (6.2 ft) in height. Emus can travel great distances, and when necessary can sprint at 50 km/h (31 mph) Emus are the fourth or fifth heaviest living bird after the two species of ostrich and two larger species of cassowary, weighing slightly more on average than an emperor penguin. Adult emus weigh between 18 and 60 kg (40 and 132 lb), with an average of 31.5 and 37 kg (69 and 82 lb) in males and females, respectively. It's the second tallest bird in the world, exceeded in height by the ostrich. They can run at 50 km/h and emus are known to have deadly claws but In most cases, emus are quite docile creatures and they do not attack humans unless provoked." EMU".

WHY DID THE WAR START?

Following World War I, large numbers of discharged veterans who served in the war were given land by the Australian government to take up farming within Western Australia, often in agriculturally marginal areas. With the onset of the Great Depression in 1929, these farmers were encouraged to increase their wheat crops, with the government promising—and failing to deliver—assistance in the form of subsidies. In spite of the recommendations and the promised subsidies, wheat prices continued to fall, and by October 1932 matters were becoming intense, with the farmers preparing to harvest the season's crop while simultaneously threatening to refuse to deliver the wheat. "Emu Wars."

Military involvement began in October 1932. The "war" was conducted under the command of Major G. P. W. Meredith of



the Seventh Heavy Battery of the Royal Australian Artillery, with Meredith commanding soldiers Sergeant S. McMurray and Gunner J. O'Halloran, armed with two Lewis guns and 10,000 rounds of ammunition.

FIRST ENCOUNTER

The first battle took place in November in Campion. G. P. W. Meredith and his men spotted a mob of emus from a distance, so they opened fire. Unfortunately they were only able to kill what they called "a number" of birds but the vast majority got away because right after they opened fire the emus split up into smaller groups and ran in every direction thus making it extremely difficult to use a machine gun against them. Remember what i said about emus earlier? They are the 4th or 5th heaviest bird. This allowed them to take multiple bullets but surprisingly survive and a famous quote from G. P. W. Meredith "If we had a military division with the bullet-carrying capacity of these birds it could face any army in the world ... They can face machine guns with the invulnerability of tanks."



SECOND ENCOUNTER

So next, they tried to ambush more than 1,000 emus near a local dam. This time the gunners waited until the birds were in close proximity before opening fire but both of the guns jammed after just 12 emus were killed. At some point Meredith even went so far as to use one of the guns on a truck, which was very ineffective for a number of reasons.

THE OUTCOME OF THE WAR

Only between 1000 and 20000 emus were killed with 10000 rounds of ammunition so in the end Australia halted the operation because it was ineffective against emus. After that the Australian government changed their strategies and used the bounty system which turned out to be effective.



WHY DO WE LIKE HORROR **MOVIES?**

WRITTEN BY ZÜMRA NUR SAHIN

Even though we don't like the terror feeling in real life, most of the people love horror movies. Actually in real life we are generally scared of heights, thieves, losing our loved ones, seeing a big spider etc. These are the most popular answers for the question "What makes you scared?" but if people are scared of these, then why are they watching horror movies? Some psychologists say that there are many benefits of watching horror movies and they may lead people to watch horror movies. A study from University of Westminster found that horror movies burn calories! The university got ten

people to watch different movies. The heaviest person that took part in this research and watched horror movies burnt 184 calories. This is the same number of calories that you could burn while walking. Secondly, horror movies can help people with depressive feelings. When people are dealing with depression they go through decreases in their adrenaline feeling. Some of the horror movies makes you jump and rushes your adrenaline feeling because of that people think watching horror movies can relieve depressive feelings. In horror movies, generally characters make stupid decisions and they mostly get killed the first. So watching horror movies can tell you not to do in real life when you face similar situations. They may also boost your immune system, too after a scary scene that made you jump your brain will release the hormones dopamine and serotonin. These hormones can strengthen your immune system and keep your brain active. And as most of the people know, horror movies make you face your deepest fears. There are actually many types of fears and you may not even know what you're scared of. Maybe the horror movie you watch has the thing or situation that you are scared of. After watching a lot of horror movies, you may pet a tarantula! As you can see, there are many benefits of horror movies. But it is a truth that not all of them gives us the same feelings.

ATTACK ON TITAN

WRITTEN BY UFUK SÖYLEMEZ



First episode of the anime released at 7 April 2013. Currently, there are 4 seasons released but the anime hasn't finished yet. Second part of the 4th season will release at early 2022. There are 75 episodes and the highest IMDb point is 9.9, the "Hero" episode. And the general IMDb of the anime is 9.0. I think it's pretty good and the show deserves it.

Firstly, for me, the art style and the drawings of the anime is really good. It is so realistic if we compare it to the other animes, and there aren't any cringe anime effects in the show. The faces show emotions pretty well and it's really detailed. For the dubbing, it is also well-made, the sound actors fit the characters well and sound natural. The soundtracks are also really thrilling and exciting. They really hype you. And about the intros, there are 5 or 6 intros and at least half of them are perfect. Personally second season's intro is my favorite.

Let's go on with foreshadowing details. Foreshadowing is basically showing something to the audience which has no meaning at first but then it becomes meaningful and makes show better. For example the name of the anime is Attack on Titan, it sounds like a classic name for an action series. But when you watch 3th season, you understand that it's actually name of the main character's titan, Attack Titan, which is a great spoiler actually. In the first episode, there is a sketch of the Paradise Island which also includes great spoilers but when you see it in the first episode, you don't even think about it. I also want to mention the philosophical side of the anime, the whole anime is basically based on a genocide idea.



Even the characters and audience don't know, in first seasons, Eldian people kill Eldian people who has transformed into titans. And in the fourth season, Zeke and Eren cooperates for the genocide of their own people, the whole Eldian people. I am not sure that killing everyone for finishing the entire pain is true or not. I guess it has no right answer.

To sum up, I think Attack on Titan is an action anime which has great dubbing, intros, soundtracks, art style and philosophical base. I highly recommend it, the action scenes are really satisfying and there is always something to wonder in the anime.

CRIME SCENE: THE VANISHING AT THE CECIL HOTEL

WRITTEN BY GÖKSU GÜRES

Are you a fan of Sherlock Holmes? You can be like him. There are some people that are investigating unsolved cases in their free time. Especially in this one. The Elisa Lam Case... Elisa had a Tumblr account that she used as a diary. Those people who investigated her case said 'We worked on this case for hours. We started to be friends with Elisa, tried to understand what she was going through, why she had behaved this way, what was she afraid of. We saw this case as a puzzle that we could solve. That was the exciting part." Most people love mysterious cases. Do you? If yes, let's start.

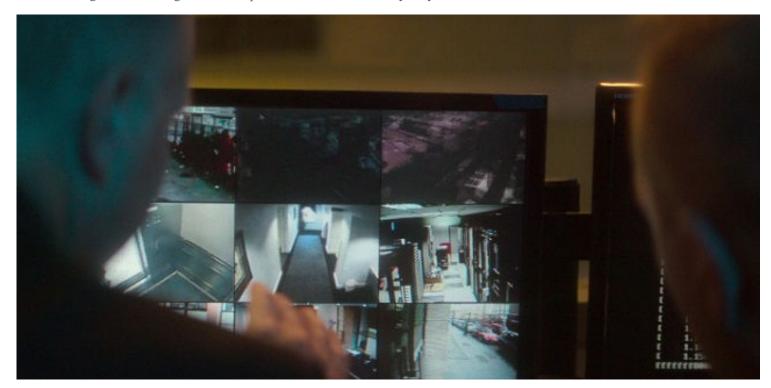


In 1919 LA was an explosion, they say. Everyone started to sweep there. Job opportunities, a luxurious life, city and many more... In 1924 the Cecil Hotel opened its doors. It was glorious. They spent 1 million dollar to build it. That much money was so much back then. It was quite big and had 700 rooms. Cecil was a traveler's hotel. It was in front of the Pacific Electric Light Rail Station and hundreds of people would pass from there. In the early 1930s an economic crisis happened. So the Cecil Hotel was in a bad condition. An elderly men who wanted to stay there as long as possible for a low price started to come. And some of them were bad people. There were drug dealers, prostitutes, rapists, murderers, serial killers etc. Hundreds of crimes happened there. Serial killers like Richard Ramirez alias the Night Stalker and because the Night Stalker was there an Australian serial killer Jack Unterweger stayed in the Cecil Hotel. People say, Richard Ramirez used to come to the hotel covered in blood. And nobody would say anything. The Cecil Hotel did not ask for identity. That is why, it was perfect for the people who were wanted. Hollywood star Elizabeth Short alias Black Dahlia was one the most popular homicides in America and people think that it was related to the Cecil Hotel.



But the most known and bizarre case in the Cecil Hotel is totally Elisa Lam's. Her last video before she went missing was released by the Los Angeles Police Department. They wanted help from the public and videos went viral, the public actually saw the video. They started to investigate the case, too.

Elisa was from Vancouver, Canada. She had just graduated highschool. She wanted to go on a vacation before university and see the world. She would say "There is a big world and I do not even know a little of it. I should learn." She made a west coast tour plan. Her destinations were San Diego, Los Angeles, Santa Cruz, San Francisco. She came to Los Angeles on 28th January 2013 and on 1st February 2013 went missing. The Last Bookstore was the last place she had gone. She was so energetic, social and chit chatting with people. Police investigated the case, they just found her last video in the elevator and that video looked so paranormal. Pressing all the buttons, bizarre behaviors, hand moves made the video scary. People wanted so badly to find what happened to her. They saw it as a puzzle to make. After two weeks tourists started to complain about the water. It was brownish and had a terrible taste. They drank that water, had shower and brushed their teeth. That was tragic. Because Elisa Lam's body was found in the water tank of the Cecil Hotel by an employee. He said the cover of the tank was closed. And she was naked floating on the water, her clothes were at the bottom of the tank. In the autopsy they couldn't find alcohol, drugs or pills in her body. There are a lot of theories about her like homicide, suicide, elevator game, souls in the Cecil Hotel, government's game. But it persists as an unsolved mystery.



I have watched the documentary series called Crime Scene: The Vanishing At The Cecil Hotel on Netflix to learn more about the case. It has 4 episodes and each episode is approximately 50 minutes. In the docuseries, the general manager of the Cecil Hotel for ten years drew a good analogy. She said "I liken the Cecil Hotel to Titanic. At first, everybody said that this ship could not sink. It was magnificent. But we all know what happened to Titanic."

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Ylldız Caddesi No. 73 34359 Beşiktaş/Istanbul Tel:0 (212) 227 4610 www.sabancilisesi.meb.k12.tr