

THE RYGAARDS TIMES

ONE GIANT STEP FOR ALL OF RYGAARDS-KIND !

NASA's SpaceX Crew-7 mission marks a significant step in human spaceflight, highlighting the enduring partnership between NASA and SpaceX. The successful launch demonstrates the evolution of commercial space travel and its role in shaping future space exploration.

The SpaceX Falcon 9 rocket took flight on August 26th, carrying Crew-7 toward the International Space Station. The diverse team of four astronauts, one of whom attended Rygaards, arrived at the ISS on the morning of the 27th of August. There, the squad will spend 6 months conducting scientific research and laying the groundwork for more human space explorations, which will send astronauts to the Moon to prepare for future expeditions to Mars.

Mike 11x



CATHOLIC GAMES



Isabelle 10y, Mike 11x

On the 6th and 7th of September, students from year 7 all the way to year 10 participated in an annual sporting event hosted at Lyngby Stadium called the Catholic Games against 6 other schools. The games were made up of two parts: ball sports, which included football, tower ball, and hockey, and the athletics part. The year 7 and 8 tournaments took place on the 6th of September. One student from our school, Marina from 8y, successfully won gold in the long jump. But although everybody fought hard, nobody else managed to make it to the finals. On day 2, the 10x boys, 9x girls and 9y boys all won trophies for ball sports, and we came second and third in the girls and mixed relays respectively. Compared to last year, the standard of referring improved greatly, allowing for fairer play and better-quality matches for everyone who took part in the ball sports. For some students, it was their first time trying several events. It was a long two days and the athletes really gave it their all. We look forward to next year's Catholic Games!

CLUBS

HERE IS A TABLE EXPLAINING WHEN, WHERE AND WHAT ALL THE CLUBS ARE FOR ANYONE WHO MIGHT BE INTERESTED TO JOIN ONE. THEY ARE ALL REALLY FUN AND INTERESTING SO GO TRY OUT AS MANY AS YOU CAN. YOU WON'T REGRET IT.

Club	Teacher	Day	Start Time	End Time	Available to	Location	About
Lectie Café	Danish Teachers	Mondays	14:00	16:15	Y7-Y11	Oasen - Basement	Danish homework help
Lectie Café	Danish Teachers	Tuesdays	13:05	15:30	Y7-Y11	Oasen - Basement	Danish homework help
Robotics & Tech	Mr Roberts	Wednesdays	14:45	16:15	All	LRC	Learn to programme and code robots
Spanish	Ms Marita	Wednesdays	14:45	16:30	Y9-Y11	Room 105	Learn and practice Spanish
Lectie Café	Danish Teachers	Wednesdays	13:05	16:15	Y7-Y11	Oasen - Basement	Danish homework help
French	Madame Crot	Wednesdays (even weeks)	15:30	16:15	All	Room 120	Learn and practice French
German	Frau Crot	Wednesdays (odd weeks)	15:30	16:15	All	Room 120	Learn and practice German
Lectie Café	Danish Teachers	Thursdays	13:05	16:15	Y7-Y11	Oasen - Basement	Danish homework help
Creative Writing	Ms Quinn	Thursdays	15:30	No specific time	Y10-Y11	Room 129	Workshops with sign-ups, info goes to students
Debate	Mrs Olesen	Thursdays	15:00	No specific time	Y9-Y11 (Y8 most of the time)	Room 130	Learn and practice debating different topics
Drama	Ms Valdez	Thursdays	14:45	16:00	Y7-Y11	Room 033	Rehearse and perform a play
Maths	Mr Paulger	Thursdays	14:45	16:45	All	Room 220	Practice math or get help with math homework

BREAKING NEWS

DEVASTATING EARTHQUAKE IN MOROCCO

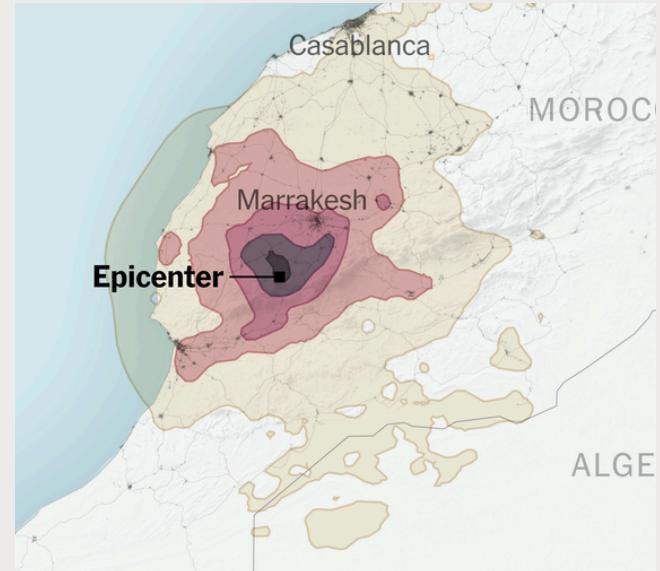
Vihaan 11x

On the 8th of September 2023, at 11:11 PM local time, a powerful earthquake struck in Morocco. The epicentre of the disaster was located in the High Atlas mountain range, about 70km southwest from the bustling holiday paradise, Marrakesh, a city with near 900,000 inhabitants.

This 6.8-magnitude earthquake was so powerful that its impact was felt in cities as far as Casablanca and the nation's capital too, Rabat (300km away). Unfortunately though, this entire ordeal came with massive consequences and tragedy too. Villages nearby the High Atlas mountain range were most significantly affected, with buildings collapsing and being torn apart. In Marrakesh, some high-rise towers had been damaged and destroyed.

In total, the entire mess caused the death of over 2,800 people (as of 12/09/2023), and has injured thousands more, with many people being paralyzed as well as hospitalized. Damages have been extensive too, and have resulted in the displacement of thousands of people.

Please remember that these figures are recent, and they *will* change as more information is gathered during the next few days!



WORLD NEWS



1. The Dundreggan rewilding centre has opened in the Scottish Highlands. A rewilding centre is a site where ecosystems are restored to a point where nature can sustain on its own without any interference. With the decrease in wildlife and the rise of endangered species and climate change, this could not have come at a better time. The area spans over 10,000 acres and aims to preserve the threatened Caledonian Forest.

2. In Spain, a school was designed according to pupils' wishes. They asked for the school to have no walls and look like a garden and spaceship.

3. In South Korea, a group of scientists have discovered a new superconductor called LK-99, that apparently works at room temperature. A superconductor is a material that exhibits no electrical resistance. This is a massive breakthrough as superconductors normally only work at severely cold temperatures, in designated laboratories. If superconductors could work at room temperature, like LK-99, then they could be used in all devices, electricity poles and who knows what else? The superconductor would waste no dissipating heat energy, thereby saving energy and making electronics far more efficient. This would help the environment as well as propelling humankind. However, this report is highly skeptical, teeming with doubts, so don't get your hopes up. But if it is somehow real, prepare yourself for a new era of technology.

4. NASA's James Webb Telescope is the world's largest and most powerful telescope ever made, built as long as a tennis court and as tall as a three-story building, it uses infrared cameras to view celestial objects, through all the dust and debris. Not even 2 years after its launch it has captured an image of the farthest star in the known universe, Earendel. The star is twice as hot as the Sun and a million times brighter! And since the farther we look into the universe, further we go back in time, we are witnessing Earendel shine only 1 Billion years after the Big Bang, 3.4 billion years before the previous record-holder. Fun fact: The name Earendel was inspired from the character in the Lord of the Rings series made by J.R.R Tolkien.

5. Spain won their maiden Women's World Cup! The tournament, which was held between July 20th and August 20th, 2023 was only the ninth edition of the tournament. Some notable victories were Sweden's win in penalties over 4-time champions, USA, the Swedes would eventually go on to get the bronze by defeating host, Australia in the third place match. Unfortunately, Denmark lost in the first round of the Knockout stages to hosts Australia. Overall, the tournament was a thrilling experience for all in-person spectators or viewers at home and really showed that the Women's World cup deserves more attention.

Tanish 9x, Aatish 9y

6. The Luna 25 Space probe which was launched from the Russian Far East on August 10th was trying to be the first probe to ever make a soft landing on the South pole of the moon. The South pole of the Moon has never been explored and is believed to be crucial discovery as there is believed to be water on the surface. However, a day after reporting an “emergency situation” as the spacecraft was trying to enter pre-landing orbit, all contact was lost. The probe was later found to have crashed 400 kms away from the planned landing site. This is a huge loss for not only Roscosmos (the Russian space agency), but the entire world, as the craft would have been bound to make new significant discoveries. But will another space probe, India’s Chandrayaan 3, succeed where Russia couldn’t? Read more about this on the right.

This comes just 2 weeks after Russia’s Luna-25, their first moon mission in 50 years, crashes, as it attempted to beat India to the south pole. Though Chandrayaan-3 was launched almost a month before the Luna-25 spacecraft, it was scheduled to arrive 2 days after, due to its more lengthy and methodical approach to the Moon. However it paid off, as India learned from its mistakes from the previous Chandrayaan-2 mission in 2019, and made a soft landing on the moon. When addressing the country and the Prime Minister Mr. Narendra Modi, ISRO Chairman S. Somanath said proudly, **“India is on the Moon”**.

Now that India is on the Moon, the Lunar Lander Vikram has already released the rover Pragyan, within it. The rover has and will continue to conduct experiments on the surface of the Moon and send the data back to the lander which will send the data to Earth. Pragyan will check the chemical composition of the lunar soil and rocks. This is the first time in history that the south lunar surface has been studied. The rover will stay on the Moon’s surface for 1 Lunar Day (the equivalent of 14 Earth days) carrying out research. Once this time is over, the Rover could stay even longer as it can harness solar energy to recharge its onboard batteries.

This lunar mission has been a major success!

With all of the various space agencies and rejuvenated interest in the Moon, there are bound to be many more lunar missions to come (including manned missions as well). There is a lot to look forward to in the field of space exploration. So let us be strapped up and blasted into the future.

CHANDRAYAAN ROVER MOON MISSION

Aatish 9y

On the 23rd of August 2023, India's very own space agency, ISRO (Indian Space Research Organisation) landed a spacecraft, Chandrayaan-3 on the Moon. The significance of this feat goes beyond the surface of this vastly undiscovered planet. The landing marks India as only the 4th country to successfully land on the moon after the US, the Soviet Union and China. In addition, India has now become the first country to land on the elusive south pole of the Moon.



THE DEBT LIMIT

The American government spends more than it earns, which forces it to borrow money to fund regular government operations such as Education, Healthcare, Defense, etc. But, there is a limit to how much the US government can borrow, called the Debt Limit.

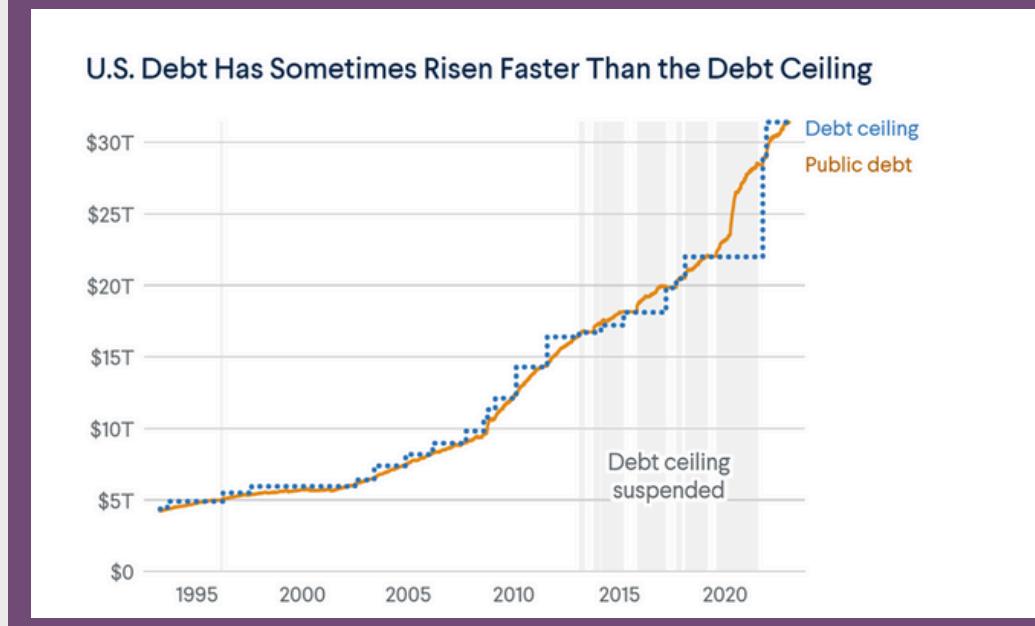
Often, the budget set by the government is not enough for America to carry out its national duties and services, so it has to employ other methods. get capital and resources so that all operations run smoothly. So, the US takes on debt by borrowing money from the general public of America and even other countries.

The American Government takes on debt by issuing securities such as Treasury Bonds, bills, notes, etc. Typically, a person who buys one of these treasury notes pays an amount (say 1000\$) and is repaid that 1000 dollars, plus interest (If the annual interest rate were 5%, the Treasury note buyer would receive 1050\$ at the end of the year). Technically, the public loans money to the US government, expecting to be paid back with a profit due to interest.

An increase in the debt ceiling has followed this increase in Government debt, so the government gets a little breathing room to spend a little more before it can make arrangements to cut back spending and repay some of its debt. But, as seen above, this has not been the case historically. The US government has been running at a deficit, averaging about 1 trillion per year since 2001.



The US Government's debt has been increasing at an alarming rate:



However, there is always a possibility that the US defaults on its debt, meaning that it cannot borrow any more money and is unable to pay its bills(military salaries, medical spending, etc.) in the unlikely scenario that the US is unable to raise its debt ceiling.

The potential consequences of such an event would be disastrous; the scenario would be devastating and could drag the whole world into a 'great economic depression'. The value of the dollar would suffer, so, therefore, a wide array of global currencies would suffer, too, since the dollar is the world reserve currency. A worldwide recession is almost guaranteed. People would lose homes and jobs. Unemployment would shoot up, and everything would be chaotic. The tremors would be felt in almost every part of the world.

That being said, it is worthwhile to note that the US did reach its debt limit on January 19th 2023. The projection date for when the US treasury would exhaust its resources to repay debt was June 5th. You would think that the US would make the obvious decision: raise the debt ceiling.

But this time was different. There were growing political tensions between the Democrats and the Republicans, so it was hard to resolve.

But, on 3rd June 2023, with only 2 days to spare before a potential economic collapse, Joe Biden signed a bill to suspend the debt ceiling until 2025. This means that until 2025, the US Govt. will not have a cap at the amount of debt it can borrow, but instead, these 2 years would give the government a chance to restructure its finances, cut back spending, and resume operations smoothly. But, if this economy does not improve, then Biden just postponed a catastrophe instead of preventing it.

G20 SUMMIT

Tanish 9x

It's member countries consists of 80% of the Global GDP, 75% of international trade, 2/3rd of the world's population and 60% of the Earth's land area.

It is the G20!

What is it and what does it do?

The G20 or Group of 20 is a group of the 19 largest economies in the world and the European Union. It was founded in 1999 because of the Asian financial crisis, as a forum for important ministers to be able to communicate with each other to discuss important global economic matters. But the first G20 summit was held in the United States in 2008 because of the financial crisis going on there at the time.

The G20 occurs once every year usually between September and December with the host country, or president switching each time. Last year it was held in Bali, Indonesia. This year it is happening in New Delhi, India and is set to be one of the largest ever held..

How does the G20 president get selected?

This is based on a rotational system that revolves around the president changing each year. And when this happens a ceremonial G20 gavel is exchanged from the previous G20 president to the new one.

Why is the G20 important ?

The G20 plays a key role in shaping global ties, uplifting economies in times of need and keeping the very peace and stability we all humans share as a universal desire. An example of action taken by the G20 is the Anti-Corruption Action Plan in the 2010 Seoul Summit, this was a plan to enforce laws against international bribery, money laundering and corruption of foreign public officials.

G20 2023, New Delhi, India

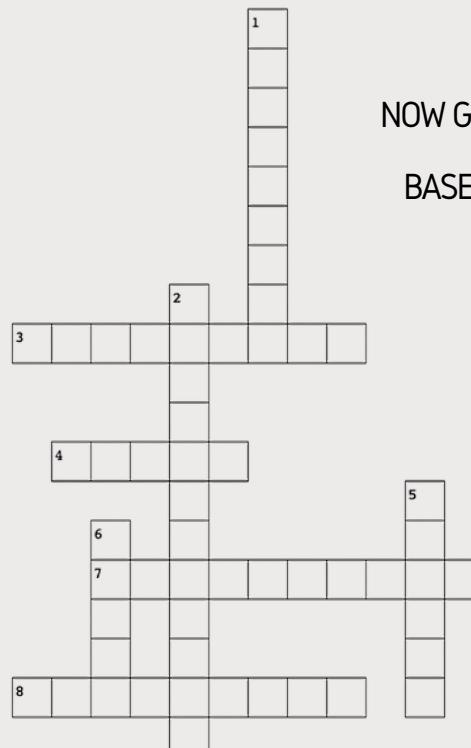
This years theme is One Earth, One Family, One Future. which affirms the value of organisms and their interconnectedness on Planet Earth and the Wider Universe. The agenda is planned to include many important ongoing topics such as: Economic Aid to developing countries, reform to the World Bank and IMF, Food and Energy Security, the Social Impact of the Russia-Ukraine war and much more. The outcome of this years G20 is the joint declaration that has been formed. This means that all of the G20 nations have agreed to a consensus on a number of matters.



Indonesian president (right) handing over the ceremonial gavel to the Indian prime minister (left)
This is called the exchanging of the ceremonial gavel.



G20 leaders gathered in New Dehli, India for the 2023 G20 summit.



NOW GOOD LUCK SOLVING THIS CROSSWORD BASED ON THE G20 SUMMIT!!

Across

3. Where was the last G20 summit held?
4. What item is exchanged during the G20 presidency ceremony?
7. On what system is the G20 presidency based on?
8. Which month is the G20 summit in India being held?

Down

1. The G20 consists of the 19 largest _____ in the world.
2. Where was the first G20 summit held?
5. How often is the G20 Summit held?
6. What does the G in the G20 stand for?

MOVIE REVIEWS

BARBIE

Lana 11x

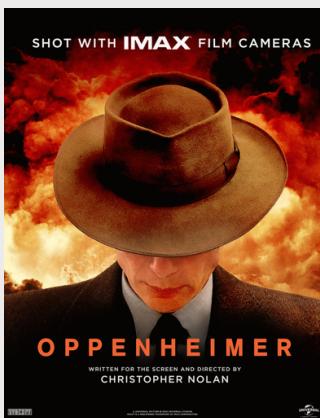
Having watched the Barbie movie twice in the span of about a month, I can confidently say that it is an amazing film. Barbie includes everything from pink and comedy to drama and reflections on issues afflicting our world today. Not only does it have an influential plot, but it also features well portrayed characters, played by talented actors and actresses, (like Margot Robbie and Ryan Gosling), who really vivified the movie.

Barbie has great production and soundtrack. Consequently, it has its songs, like Ryan Gosling's "I'm Just Ken", stuck in everybody's minds, as well as many humorous

- remarks and memorable scenes replaying in our brains when we are reminded of them. In my opinion, the movie can and is enjoyed by most people, regardless of their age or amount of interest in barbie dolls—even though I personally liked the dreamhouses, outfits, and accessories very much.

On top of that, I believe Barbie addresses various relevant topics in a clear way, such as discussing gender roles in a patriarchal society, exploring female empowerment, and emphasising the significance of authenticity. It is certainly a film to remember, definitely more than "kenough" by my standards.

So, don a pink outfit of your choice and head on to watch it



OPPENHEIMER

Marcus 11y

Going to see Oppenheimer, I was honestly giddy with excitement. A physics, history, and philosophy movie all rolled into one? It just had to be lit.

The movie covered the life story of one J. Robert Oppenheimer, a world-renowned physicist, and his part in the development of the atomic bomb (as well as its repercussions). Some pre-atomic bomb subjects of the movie may seem boring at first, but Christopher Nolan's brilliance evoked an inspiring and awesome sense to every formula or intellectual gibberish present. Truly a work to follow Nolan's Interstellar, the story of Oppenheimer is nothing to overlook.

We follow his progress through the academic hierarchy all the way to the moment that he realises what his ultimate creation has brought forth - "I am become Death, destroyer of worlds".

After the first climax of the film, the action subsides - replaced by the quick-witted, perpetual conflict of the U.S. government. However, a new and compelling antagonist makes theirself known, only adding to the multitude of layers of Nolan's masterpiece.

If you decide to watch this beauty of a film, going to the theaters is definitely the way to go. Not only do you experience the full magnitude of this bomb, you also gain the opportunity to watch it in 70mm - only further amplifying the sheer power of the explosion due to uninhibited use of the screen's full aspect ratio - the way Chris Nolan intended.

Honestly, I can't recommend this film enough, even if you are unable to watch it with the suggested 70mm IMAX roll. It shed an intriguing light on a previously thought-to-be dull subject, having me sat on the edge of my seat for all 180 minutes and 9 seconds.

Plus there's an Einstein cameo! Who doesn't like Einstein?

BOOK REVIEWS

THE SUMMER I TURNED PRETTY



Lana 11x

**Age Rating:** Young Adult**Author:** Jenny Han; the writer of To All the Boys I've Loved Before.**Genre:** Romance, Coming of Age, Drama, Fiction

The Summer I Turned Pretty follows a teenage girl nicknamed Belly, who visits Cousins Beach every summer with her brother, Stephen, and mother, Laurel. Cousins is a town in which Laurel's lifelong best friend, Susannah 'Beck' Fisher, routinely spends summer along with her husband and two sons. Belly loves spending her summer at Cousins with the Fisher family, especially with Susannah's boys: Conrad and Jeremiah. Belly has had a close friendship with Jeremiah—the youngest and the social butterfly of the two brothers—throughout her childhood, all the while she has been in love with Conrad—the reserved football player and straight-A student.

However, when sixteen-year-old Belly returns to Cousins that summer, she finds it different. Her mother, Laurel, and Susannah are leaving the house suspiciously often and, more worryingly, Conrad has become distant, even with her. Not to mention, now that Belly is pretty, both brothers are treating her differently, with Jeremiah taking an interest in her and Conrad becoming moody and actively avoiding her and the others. Belly is sure something big is happening, but no one seems to be up to informing her of what.

The Summer I Turned Pretty was an overall interesting read. I initially wanted to give it a go because of how popular the TV series adaptation of the trilogy is, and the first novel pretty much met the expectations I had. I found that what I preferred most was the interactions between characters out of the other great aspects of the book, especially when it came to the entertaining conversations between funny personalities in the trilogy. Needless to say, The Summer I Turned Pretty did not disappoint, though it did not surpass my standards enough for me to categorize it as an all-time favourite of mine. I believe that the reader is often just exposed to Belly's perspective and stories when I think there were several opportunities to elaborate on what the side characters were up to—since they were all intriguing characters, I assume others who have read the trilogy would also enjoy a bit more of that. Although I prefer the first season of the TV-series over the trilogy's first novel, if you're looking for an amusing romance, you should consider reading this great book.



THE SUMMER I TURNED PRETTY 2022

genre
creator
directed by
screenwriter

YOUNG ADULT ROMANCE DRAMA
JENNY HAN
JESSE PERETZ JEFF CHAN ERICA DUNTON
JENNY HAN

starring
LOLATUNG CHRISTOPHER BRINEY GAVIN CASALEGNO

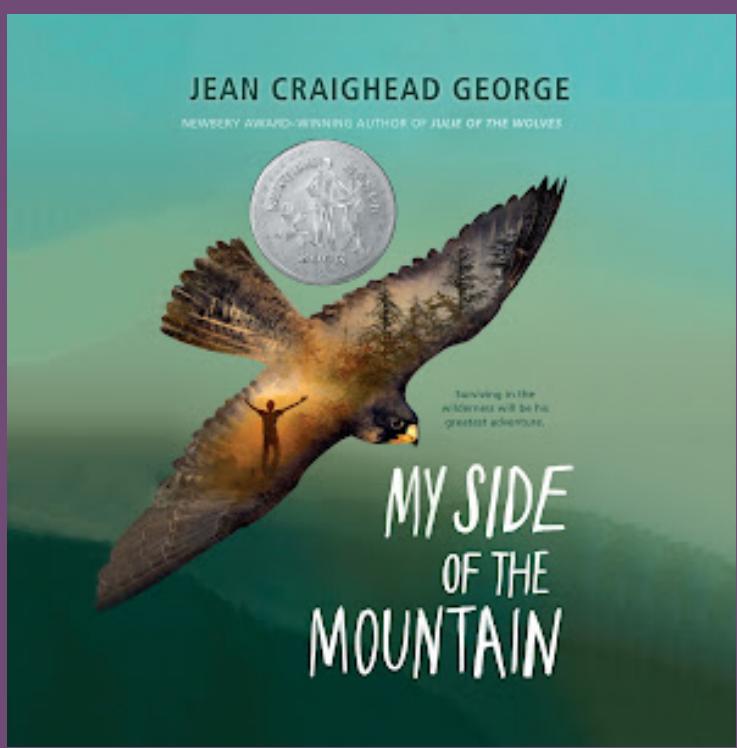
THE BOOK IS ALSO
AVAILABLE AS A
MOVIE ON AMAZON
PRIME !





MY SIDE OF THE MOUNTAIN

Isabelle 10y



Age Rating: 10 +

Author: Jean Craighead George

Genre: Adventure Fiction, Young Adult Fiction

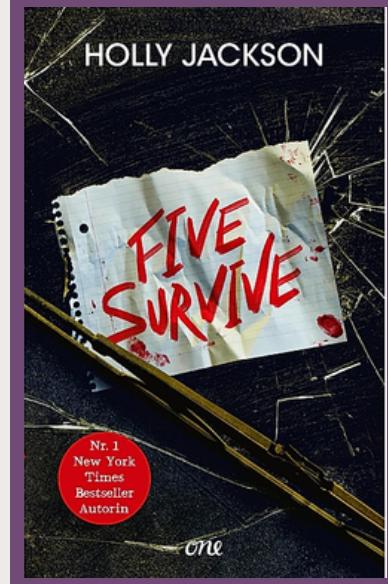
For those who love the good ol' mix of survival and adventure this book is for you (and for those who like short books). When 12-year-old Sam Gribbley decides to run away and live in the woods, no one believes him, until he actually does it. He makes his way to the Catskill Mountains of New York, and there he tries to live off the land. Facing trials, storms, blizzards, cold winters, and a city that wants to drive him home, Sam learns to stick it out, and grow up a bit while he's at it. It's quite an old book, published in the 1950's, but it did not fail to capture my heart. I read this in one sitting and was astounded by the beauty of the writing and the skilful story telling. I was completely engrossed, and up until 3 AM!

FIVE SURVIVE

Charlotte 10y

- **Age Rating:** YA
- **Author:** Holly Jackson
writer of A good girls guide to murder
- **Genre:** Mystery, Thriller, Fiction, Crime, Horror, Murder mystery

Blurb,
Eight hours.
Six friends.
One sniper ...



Eighteen year old Red and her friends are on a road trip in an RV, heading to the beach for Spring Break. It's a long drive but spirits are high. Until the RV breaks down in the middle of nowhere. There's no mobile phone reception and nobody around to help. And as the wheels are shot out, one by one, the friends realise that this is no accident. There's a sniper out there in the dark watching them and he knows exactly who they are. One of the groups has a secret that the sniper is willing to kill for.

Review,

When comparing Five Survive to Holly Jackson's other series, A Good Girl's Guide to Murder, something that really changed was her writing style in this book, as it was quite different compared to her regular style. I came into the book expecting to be sweating throughout the whole read and I was given what was promised. It is a very fast-paced book with constant drama and conflict between the six different characters within the RV, and every interaction builds to the book's ending, which is full of twists. The book is a bit of a trying read since it is around 400 pgs and when following six characters it can get complicated at times, but if you are willing to push and finish the book it is pretty decent. Overall, the book can be a fun read for non-thriller readers and is worth your time.

Aatish Joshi, Ansh Makadia, Charlotte Sofia Trott, Mike Haozhe Zhang.

Credits to: Isabelle Celeste Brander-Wang, Lana Pedras, Marcus Carl Christofer Johansson, Rishi Tej, Saanvi Divya Raj, Tanish Joshi, Vihaan Ashish Sanghavi

Bake Sale



29th September 11:50-12:20



Cookies
Cake Pops
Many Cakes



Drinks

Grilled Sandwiches
And So Much More!

**Contact David Maravic Student
Council Secretary For more.**