

HAYES SCHOOL Newsletter

24 - 25

Message from the Head of School



I hope all our families enjoyed the Easter period and are looking forward to the long Bank Holiday weekend. It is great to see students and staff returning refreshed from the Easter break for what is our shortest but arguably one of our busiest terms in the school calendar. I have been talking to students in assembly over

the last week about their achievements and progress so far this academic year and reflecting on the passage of time since the start of the year; 28 weeks, 140 school days and approximately 700 lessons ago. We spoke about what commitments and positive developments they could make in the final 10 weeks of the academic year both in the classroom, outside the classroom and in the wider school community and how they were preparing themselves to hit the ground running for the next phase of their studies.

Last weekend, students in Year 10 and 12 embarked upon the Silver Duke of Edinburgh practice expedition and I was incredibly proud to hear such positive feedback and glowing endorsements from not only the team working with them, but also people in the local community about their behaviour, respect and positive attitude across the weekend, even in the midst of blisters and tiredness.

Our Year 10 Geography students travelled to Stratford, East London for fieldwork last week, whilst our Year 12 students completed the last of their internal examinations. Both activities serving as mid-point steps in our student's journey through Level 2 and Level 3 programmes of study respectively.



I had the privilege today of attending our Year 11 'Good Luck' assembly. The array of messages from a variety of people who are important in our young people's lives never ceases to amaze me; even the toughest nuts could not help but be moved by the sentiment that was shared. I know how grateful our young people are for the support and encouragement they are given at home, even if they never say this to you. So, a huge thank to you on their behalf for keeping them going over the next two months in what will inevitably be a marathon and not a sprint

Next week, we will mark the 80th Anniversary of VE Day in our assembly programme, in our Votes for School sessions and in wider activities being led by the History department. It is important to us that our students remember this event as a reminder about the cost of freedom and the bravery of those who fought to protect it. In actively understanding the impact of war, the importance of peace, and the need to stand against hate and injustice we hope our young people will be encouraged to play their part in building a better, more united future.

Our attention naturally now focuses on those students sitting GCSE, A-Level, Level 1 and vocational exams this summer, specifically those in our Year 11 and 13 cohorts. Seeing our young people capitalise on the Easter holidays to get ahead with revision, by attending in-school study and revision sessions, was really encouraging and all should now have a clear idea of their final approaches for revision. We have this week shared important and useful reminders about managing exam stress and encourage students, parents and carers to communicate any worries with us over the next two months so that we can support, encourage and problem solve together.

On behalf of all the staff and governors, I wish all those sitting exams this summer all the very best in their preparations and completion of exams as they start in earnest next week. (It is less about luck and more about revision and hard work, but I do hope the questions favour our students and that they achieve the success they want and deserve.)

Miss Thompson Head Teacher



British Science Week: Competition

British Science week was from 7th-16th March.

The British Science Week competition set by UCL, was to come up with a new way to improve air quality in a chosen building.

Congratulations to Faye Yeomans and Eddie Sahyoun in Year 7 whose ideas have been selected to represent the school for this national competition.





Science Week at Hayes

Due to mock exams and the school show, we choose to celebrate this in the summer term.

During the Hayes school Science week students can look forward to:

- Science week activities in lessons.
- Chicks hatching during the week.
- Science competitions.









Getting Involved in Science at Home



There are lots of brilliant citizen science projects if you would like to get involved with real current science projects.

https://www.zooniverse.org/

There are projects for any interest, some current projects include.

- ♦ Identifying distance galaxies to help measure dark energy.
- ♦ Helping scientists at CERN look for particles formed in the large hadron collider.
- Counting cells in fossilised leaves to track climate change.
- ♦ Identify whale and dolphin calls to understand their communication.

There really is something for everyone so go and check it out!

What are students learning in Science?

There are many interesting things being learnt in science across the different year groups, here are a few.

Year 7 are learning about the digestive system and the signs that a chemical reaction has taken place.



Year 8 are starting a new forensic science unit.



Year 9 are learning about how group 1 metals react with water in chemistry, the role on enzymes in biology, and about energy transfers in physics.



Year 10 are learning about waves and measuring their speed in physics.



Year 10 are learning about ecology in biology



Year 10 are learning about rates of reaction in chemistry.





Recommended Reading and Viewing

Looking for something to extend on what we teach in lessons? See if anything below piques your interest.

Title	Where Can I Find It?	Further Information
Women in Science: 50 Fearless women who changed the world by Rachel Ignotofsky	All good book shops	A great introduction to 50 brilliant female scientists who are not covered in the National Curriculum as much as we would like.
Kay's Marvellous Medicine by Adam Kay	All good book shops	A gruesome guide to the history of medicine.
Almost Astronauts by Tanya Lee Stone	All good book shops	The story of 13 women who took on the government and are true pioneers of the space age.
Periodic Tales: Curious Lives of the Elements by Hugh Aldersey- Williams	All good book shops	Gives some of the colourful stories behind common and not so common elements.
What If? By Randall Munroe	All good book shops	Serious scientific answers to absurd hypothetical questions, very funny.
Why Can't Elephants Jump? By New Scientist	All good book shops	Answering 113 interesting science questions.
Catalyst Magazine	https://catalyst- magazine.org/	Science journal covering scientific research and developments for young people
Horizon: Hubble: The Wonders of Space Revealed	BBC iPlayer	The remarkable story of how Hubble revealed the awe and wonder of our universe and how a team of daring astronauts risked their lives to keep it working.
Planet Earth III	BBC iPlayer	Sir David Attenborough shares amazing stories about the wonders of planet Earth.
Walking with Beasts	BBC iPlayer	Bringing the Cenozoic period to life with computer animation and anamatronics. From a time the world forgot, discover the amazing wildlife that roamed once the Earth.
The Secret Genius of Modern Life	BBC iPlayer	Hannah Fry uncovers the secrets behind the miraculous technologies of the modern world, revealing the mindblowing stories behind their invention.
Forces of Nature with Brian Cox	BBC iPlayer	Professor Brian Cox combines some of the most spectacular sights on Earth with our deepest understanding of the universe to reveal how the planet's beauty is created by just a handful of forces.



Hayes School students taking part in National Science Competitions

British Chemistry and Physics Olympiads





This year, students in Year 13 have been participating in chemistry and physics problem-solving competitions run by the British Chemistry Olympiad and the British Physics Olympiad.



These are annual problem-solving competitions involving over a thousand students from across the UK. It is a very difficult competition, with only 6% of entrants getting the top Gold award.

Congratulations to the nine Hayes school students who entered Round 1 of the competition achieving the results below:

Chemistry Gold Anna Kennerley Leandro Rios-Field **Physics** Gold Sam Carter **Physics** Silver William James **Physics** Silver **Isobel Bennett Physics** Bronze I Pedro Prado **Physics** Bronze II Yuna Fothergill **Physics** Bronze II Maks Aleksandrov **Physics** Commendation

Physics

I should particularly like to highlight the achievement of Maks Aleksandrov and Filip Satulenko, the only Year 12 students who entered (the others are all from Year 13). Many of the questions in the competition would have addressed physics topics that they have not yet been taught which makes their awards very impressive!

Imperial College Science and Innovation Competition

Alex Piggot, Ben Piggot and Leo Travell in Year 7 entered this competition which focuses on students coming up with innovative

solutions to one or more of the UN's Global Goals for Sustainable Development. The solution they worked on was adding a hydroponics farm to a hydroelectric dam, providing food, sustainable and affordable power, removing carbon dioxide from the atmosphere and helping life under water by removing pollutants in water. As part of this, they investigated where would be the best places to install the dam, carrying out an experiment looking at how different types of water affected plants ability to grow.





Commendation

Filip Satulenko

Big Bang Fair

Alex Piggot, Ben Piggot and Leo Travell in Year 7 entered this competition carrying out research into how to improve the fireproofing on wooden homes. This was a project inspired by the California Wildfires as they were researching topics whilst they were going on. Their solution was to add an inflammable substance (they chose MgO) in between the layers in plywood (the building material of American homes). To test how effective their solution was, they carried out two experiments. The first experiment was testing the time it took for fire to burn through both layers of wood (The MgO extended the burn time when sprinkled between layers). Their second experiment was a stress

test, testing if adding MgO between the layers weakened the join (it did not, it became unsafe to test before the joint broke). Their conclusion was that adding MgO between the layers of plywood would increase the burn time of homes, allowing people more time to escape during fires.





Institute of Civil Engineers CityZen Challenge

Eoin Matthews and Harry Lovelock entered this competition. Each stage presented students with different civil engineering problems that needs solving; bridge building, park renovation, sustainable building and disaster preparedness. Each stage required students to focus on balancing the city's need for infrastructure against its environmental impact, managing a budget and space concerns.

Science Club

At Hayes School, the

science department have been running a Science Club for Years 7 and 8 to aid their learning, understanding, and proficiency within science, and with great success.

Working with Mrs Pearson, the students cover the 3 core subjects of Biology, Chemistry, and Physics, students have been provided with a wider range of access to demonstrations, practical work, and scientific theory, otherwise being taught to older years and Sixth Form, this enables students to build on their confidence, curiosities, and commitment to the sciences. This advancement in learning aids their future endeavours for when they enter their GCSE years and beyond.

Previous sessions have increased their skillset with using lab equipment, both basic and specialised, safely identifying and using chemical substances with great care and respect, and learning effective lab etiquette, which are all vital components of being a successful scientist.

We encourage any student wishing to enhance their scientific knowledge to come and join us where knowledge, experience, and friendships are all gained.

Recently, students have made paper bridges and have been completing dissections, we encourage all those who enjoy science to come and see the activities we have available.



Science Trips

Taking A-level and Year 11 students to science live events.



Trip to Florida to visit the Kennedy Space Center in October 2024 with a group of Year 10 and 11 students.



Year 12 medics trip to Selwyn College Cambridge.



We love to get students to see where science can take them and we aim to take students on trips both closer to home, and further afield. Some recent and upcoming trips include.

Taking Year 9 students to the New Scientist Live event.



Faraday STEM challenge day and KS3 challenge day for selected Year 8 students



Taking Year 12 chemistry students to the diamond synchrotron.



Trip to Kirkaldy testing works with Year 12 Physics and CamTech Science students.



Trip to Belgium for Astronaut training at the Euro Space Center in March 2025 with a group of Year 8, 9, and 10 students.





Year 7 visiting Hurstmonceax Observatory this summer.





Taking 30 students to Geneva to visit CERN, the United Nations, and the Swiss Plasma centre in March 2026 subject to interest.





During the holidays, Film and Media Studies students were given the fantastic opportunity to visit New York City. After a peaceful journey to the USA, we were met with a three-hour-long queue at the border before we were finally allowed into the country. That was when our four-

day adventure truly began. As New York City is the centre of pop culture, known for its vibrant culture and film production, we were able to learn more about our subjects by visiting the Museum of Moving Image which showcased props from movies and the evolution of technical devices used in film production, as well as participating in a lecture on filmmaking at the New York Film Academy. Moreover, we were given a tour of film locations from 'Ghostbusters' to 'The Devil Wears Prada'. Yet, what I enjoyed the most, amongst delving further into my subject, was sightseeing in the city (which was a lot of walking), from looking down at New York from the Empire State Building and Rockefeller to seeing the magnificent Statue of Liberty. Finally, a huge thank you to Ms Stiles, Mr Douglas and Mrs Todd, who took the time to organise and take us on this incredible journey.

By Edeline Shibu













On Friday 28th March, 39 Year 10 and 11 French students set off for Lille in France. We spent two nights in the city, enjoying a walking tour, bowling, the Van Gogh interactive experience, Lille zoo, a cinema trip, a typical French market

and a French supermarket. The students also took part in an Apprentice-style challenge to buy items from a list during their shopping and lunch time on Saturday.



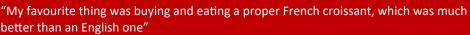


Here's what some of the students who came said about the trip:

"We had a proper walk around and ate oysters. You can notice the difference in culture in the bakeries and restaurants. Everyone was really nice."

"I liked making friends with people from different countries"

"I enjoyed the different food"



"At the zoo, j'ai aimé les pandas roux et les loups crinières (I liked the red pandas and the maned wolves)"

"I liked buying and wearing a beret and asking questions in French"

"I liked looking round the market and buying flowers for la fête des mères (Mothers' day)"

"My favourite thing was shopping and asking questions like 'ça va?'"













Ski Trip Review

The Austria ski trip was so much fun and so worth it!

The coach journey was around 23 hours but wasn't as bad as I thought it was going to be. The hotel we stayed in was very nice and the rooms and food provided was amazing. The skiing itself was very good and on the first day we were on the T-bars but by the end of the week we were doing black runs! All of the ski instructors were very nice and very good teachers.

One of the best bits about the ski trip was the amount of friends in other year groups we made. The free time we had in the evenings was such a fun time to make new friends.

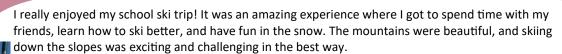
Isla Kingshott, Year 9

Me and all of my friends really enjoyed the trip, both the skiing, other activities, and the trips to the town. It was really nice being able to room with my friends and we even ended up making friends in other year groups. The food was nice every day, better than previous years I've heard! Breakfast was also good too. The evening activities were fun, especially the evening we spent in the sports hall, everyone ended up getting involved and having fun.

I hadn't been skiing in a while, so I started in the bottom group. At first things felt slow, but later on I came to realise it was necessary to build up the different skills as we began to have more freedom with what we could do in our lessons.

The journey both ways went quickly and it was nice being able to stop off for breaks along the way. After a week of skiing and travelling I was tired, but I can confidently say that my only regret from the trip was that I couldn't stay longer. Given the opportunity I would definitely do it again!

Marley Gardner, Year 10



Skiing itself was a lot of fun. Whether we were learning new skills or just skiing for fun with the instructor. After skiing, we had free time at the hotel where there were loads of things to do which was lots of fun as well.

I also liked how I got to see ,and sometimes help, my friends ski, which made the trip even more special. It was a great way to make new memories. Overall, the trip was a lot of fun and something I'll always remember.

Ewan Abbott, Year 10





April 2025

Music Tour to Germany



During the Easter holidays, the Hayes Music Department travelled to Rhineland, Germany. We stayed at the Youth Hostel in Bad Kreuznach.

Our itinerary included:

- Visiting Reichenstein Castle overlooking the Upper Middle Rhine Valley.
- Bingen to Rüdesheim ferry, cable car up to the Niederwald Monument and time spent exploring the town of Rüdesheim.
- Exploring Kur Park in the spa resort of Bad Münster am Stein-Ebernburg.
- Visiting the medieval village of Bacharach and then performing at Peterskirche.
- Exploring Bad Kreuznach and its Museum of Puppetry Culture.
- A visit to Koblenz and a performance at Forum Daun.
- The concerts included performances by Concert Band, Jazz Ensemble, JamSesh, Ukulele Band, BoyVox, Hayes Harmonies and Choir.

Music tour was such an amazing experience. There were so many opportunities to grow not only as a musician but as a person. I made so many amazing friends and go to leave my comfort zone by having the opportunity to do a solo in choir. I really enjoyed going on different adventures around Bad Kreuznach, it was lovely to see the landscapes and find out the history of some different structures. All the staff who came on tour to help were all so lovely and so nice to meet. I would 100% recommend music tour as it's a wonderful way to connect with other young talented musicians and spend time creating music with them. *Dolly*

For me, it will definitely be a trip to remember. One of the best parts of the trip was the views (especially from the ruins in Bacharach.) I also really enjoyed the amount of freedom we had to do anything during 'free time' – as long as we were back by a certain time. The concerts were also really fun so a big thank you to all of the adults for setting that up. Overall, this is probably the best trip I am going to have in year 7. Victor

Germany was so much fun! One of my favourite parts was singing in the church. I liked the echo that it gave us. It felt a lot different from singing in our school hall. I also loved getting to hang out with different people from all the different year groups and also making new friends. Thanks to all the music teachers for such a fantastic trip! *Matilda*



The tour to Germany was absolutely amazing, it was interesting seeing the river (Rhineland) from such a distance and learning the history of the statue! My favourite part was the concert and the fact that people really enjoyed it and were engaging with the music! – So A really big thank you to Dave, Anne, and most importantly Mr Brett, Mr Gunning, Mrs Foster and Mrs Werry.

I absolutely loved Germany, and it was hopefully my first of many music tours. It was so much fun, and I loved exploring the towns around Bad Kreuznach and getting to see all the interesting concert venues that we performed at. The cable cars were so much fun, and I really enjoyed them (although I was really scared of them at first). Overall, it was an amazing trip! Elsie

Hayes School
Music Tour 2025
Rhineland, Germany

Music tour video link





Germany was amazing, the views were beautiful, my favourite part was the cable cars. The view from the top was stunning as well as the monument. The breathtaking views from the cable cars provided a unique perspective of the landscape, making the experience very memorable for me. The performances were also quite fun, the church we preformed in was exquisite, the glass the ceiling everything was beautiful. I want to say thank you to Mrs Foster, Miss Werry, Mr Brett and Mr Gunning for arranging this trip for us. Eva-Marie





I'm so glad that I finally decided in my last year at Hayes to come on tour! Performing in a different country at various gorgeous locations was so exciting, and soaking up the beautiful landscape in between concerts was the best way to spend my Easter holidays. A huge thank you to all of the teachers who make tour happen every year! *Angela*

The Germany trip is one to remember. This was my first school trip for Hayes so it was really exciting and good. I really liked how we could have free time, explore the area that we were performing at and sing the songs we were practicing back at Hayes. Thank you to all the teachers. *Hugo*

Thank you for organising music tour, I had a great time! My favourite parts were definitely the two traitors games, getting to explore the different towns and cities that we visited, and the concerts. Will

havesmusic.blog Our weekly music blog for everything that's going on in the music department at Hayes

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I really loved the Germany trip. My favourite part was probably when we had free time and I ate one of the best sausages I have had in my life. I also really enjoyed both concerts and especially the fact that we got Encored in both our concerts. It was also my fist time going to Germany. Thank you to Mr Brett, Mrs Werry, Mrs Foster and Mr Gunning. Evan





Thank you for giving us this opportunity to perform in Germany. It was a really fun experience and I would love to do this again. I really enjoyed going in the little cable cars with my friends. Thank you for taking us! *Darwin*



Germany was really fun! I really enjoyed going to different venues seeing how all of the different halls made us sound. I also enjoyed going to the castle and learning about its history! Thank you very much to the teachers who arranged and came on this trip!

Gwyneth

I really enjoyed music tour and the opportunity to explore a different country and seeing the audiences positive reactions to our performances. *Alice*



The Germany trip is one to remember. This was my first school trip for Hayes so it was really exciting and good. I really liked how we could have free time, explore the area that we were performing at and sing the songs we were practicing back at Hayes. Thank you to all the teachers. *Hugo*

I loved the Germany trip! I made new friends and everyone was so nice. My favourite part was going on the cable cars and free time. I loved exploring the towns and we went it to some really cool shops. I also loved the concerts as we had such a fun time and we all sung our heats out. A big thank you to Mrs Foster, Miss Werry, Mr Brett and Mr Gunning. This is definitely going to be my favourite memory of year 7. *Lilia*

I really enjoyed this trip to Germany! I loved every bit of it. My favourite part was all the free time we had to explore the local area in super fun exploring all the shops! Both of the concerts we did were fantastic and I enjoyed seeing both of our venues. Thank you to all the teachers: Mr Brett, Mrs Foster, Miss Werry and Mr Gunning. *Benjamin*

This was my first (but not last) tour with Hayes and it was absolutely incredible, I loved every single minute of it with my favourite parts being the concerts and our free time exploring the local areas. Germany is absolutely beautiful and I'm really grateful for our wonderful tour guide, Anna. Thank you to Miss Werry, Mr Brett, Mrs Foster and Mr Gunning for taking us! *Henry*

Music Tour is always such an amazing experience where you can do everything from admiring the views from a cable car to singing in an echoey tunnel and I would highly recommend it to anyone that asked me about it. You make so many memories and is truly one of the highlights of my year. James



I really enjoyed this year's music tour. I love that going on tour gives you the opportunity to meet new people and see new things. I enjoyed being able to walk around and see everything that the different places had to offer. All the areas that we visite had lovely views and I also really enjoyed doing concerts in the wonderful venues. Thank you to everyone that made this possible and I can't wait for next year's music tour. *Liliana*



I really enjoyed the trip, I can't just pick one part to be my favourite but some of my favourite activities were: visiting the castle-it had amazing views and it had a very interesting history. I also loved seeing Bacharach, it was a very beautiful town and the church where we performed in was breathtaking. I can't forget the performances – I really enjoyed performing –particularly my duet It was also very nice to see everyone else perform. Thank you to, Miss Werry, Ms Foster, Mr Brett, Mr Gunning and all the other teachers. Elena

This was my third time going on music tour with Hayes and it was such a fun time. I loved how much time we had to explore the area and I also loved when we visited the castle and did dressing up! It was an amazing trip, thank you to all the teachers who took us. *Katia*

I really enjoyed seeing the castle. The monument was really impressive and I loved the view from the cable car The puppet museum was really interesting. I can't wait to go on tour again next year. *Anya*

I really enjoyed this years tour to Germany, the area was very scenic and I really liked exploring around. I also loved performing, and the people there looked to be having a great time. The places we went were also very interesting and the culture I learned about was fantastic, thank you! *Jessica*

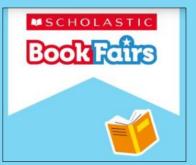
Music tour to Germany was a great experience. I really liked the cable cars and performing in the concerts. The hostel was really nice and exploring Germany was very interesting as I have never been there before. The places we visited were great and had interesting locations such as the castle. Overall, I really enjoyed this tour and would definitely go again. *Felix*





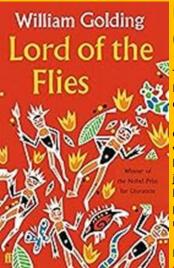
Scholastic Bookfair

The Scholastic bookfair is here until Wednesday 7th May.
Students can visit during breaktimes, lunchtimes and after school. Payment for books is via Parentpay (Library/Bookfair). Students will be able



to choose books that they wish to purchase and collect them once payment has been made. The price of the books vary from around £3 to £15.

The school earns commission from the book sales in the form of free books.



Book Review: Lord of the Flies (Contains Spoilers)

The Lord of the Flies is a chilling book that **explores the make-up of human society and the breakdown of it**. Despite being written in the 1950's, it's a terrifying tale which is just as relevant and applicable today as it has ever been.

At the beginning of the book a plane crashes on the island and a large group of British school boys are stranded on the island. They are forced to fend for themselves in an attempt to survive and escape. However, as I'm sure you have guessed it all goes horribly wrong. A large contributor to the breakdown of the society is the conflict between two of the biggest boys; Ralph and Jack. Ralph initially gains the support of the group, but Jack is jealous and strives to make himself the leader which he achieves in the end. However, this path is brutal and leads to death of Simon (who is beaten to death) and Piggy who represents rational thought and rules who is pushed off a cliff. The other large contributor is the idea of The Beast, representing evil of men and fear of the unknown. The Beast is how Jack keeps the others under control and justifies his killings, ruling through fear.

At the end of the book, the boys are rescued by a British naval officer just as they are about to kill Ralph. Ironically, it is the fire that they set to try to kill Ralph that attracts the officers. "Fancy thinking the Beast was something you could hunt and kill! You knew, didn't you? I'm part of you? Close, close, close, close!"

The author, William Golding, predominantly uses this story to highlight the inherited darkness and malevolence in human nature, and this is clearly illustrated through the migration of support from Ralph (the character who symbolises democratic ideas and order) to Jack (the character who succumbs to temptation to murder and irrationality). We can clearly see in the book that Jack is an uneducated, unfit leader through the quotation 'You couldn't have a beastie, a snake-thing, on an island this size...you only get them in big countries, like Africa or India' since, as you all are hopefully aware, Africa is not a country, and this is basic knowledge too. Here, Golding clearly illustrates Jack in a negative light, so that we as readers are alarmed at the thought of him being in potential power.

There is a lot more ideas to consider through analysis, but in a nutshell, Golding emphasises through Lord of the Flies that societal structures, no matter how fair an outsider thinks they are, are frankly insufficient to suppress evil in humanity, and the moral is that nevertheless, we must as individuals manage the real evil present inside every one of us and abide by rules of morality to keep them in check.

By William, James, Lewis, Laura and Elliot

Top Attendance W/C 31 st March 2025				
Year	Tutor group	Percentage		
7	7MAT	95.45%		
8	8DDG	97.19%		
9	9CAT	94.55%		
10	10KAN	94.67%		
11	11MJD	97.42%		
12	6ATS	98.46%		
13	6JAS	96.88%		

Top Attendance W/C 22 nd April 25			
Year	Tutor group	Percentage	
7	7JGM	99.19%	
8	8CFM	99.22%	
9	9CAT	97.72%	
10	10ZEO	97.66%	
11	11MJD	100.00%	
12	6JIP	100.00%	
13	6KTG	97.92%	























