SEEAT INSET Day

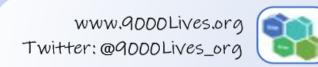
Al for Secondary Staff

- What Al is on the your devices (and those of colleagues and pupils)?
- Risks & benefits of Al
- You using AI
- Next steps?





Aaron King
Director, 9000 Lives



Background

SEND Advice
& Consultancy

Senior Manager
LA SEND Support Services

4.

Primary Teacher	SEND Advisory Teacher C&L, C&I, SEMH	SEN Teaching & Managing Resource (5 – 16)
1.	2.	3.

Discussion



1. What do you know about A.I. already?

2. How did you learn what you know so far (i.e. where did you get your information from)?

3. Is it being used by your school, pupils or governing body?

What is Open AI?

First, let's think about Google - One site with text, maps and more...



Yell

https://www.yell.com > biz > sponge-dog-windsor-647...

Sponge Dog, Windsor | Dog & Cat Grooming

Find **Sponge Dog** in Windsor, SL4. Get contact details, videos, photos, opening times directions. Search for local Dog & Cat Grooming near you on ...



Facebook

https://www.facebook.com > spongedogs :

Spongedogs Grooming Parlour | Oldham

Changedogs Crooming Darlour - Dago - Det groomer - 144 7560 204205 - Deting





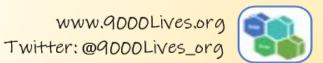
Sponge dog spared: thanks

A shih-tzu that swallowed a whole kitchen sponge was saved by vet charity PDSA. Jade Bird, Alfie and PDSA vet nurse Caroline Watson.









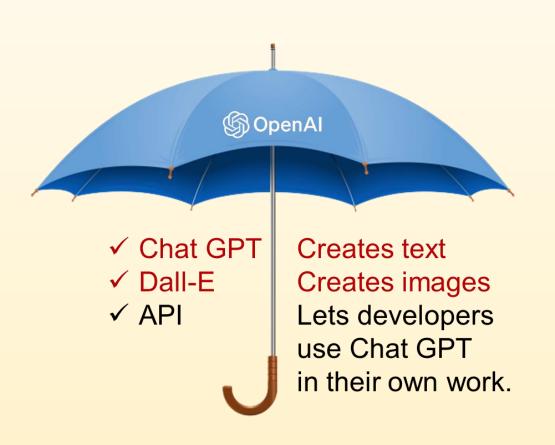
Open Al is a similar umbrella to Google...

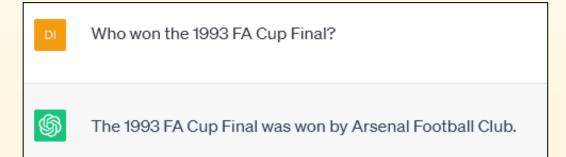
One site gives you text, images and more...



What does Open Al do?

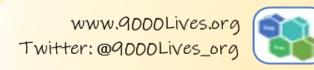
One site gives you text, images and more...











Chat GPT

Responds to questions & instructions...



How long would it take you to write this?

you are now a y9 pupil. Write a rap about the noble gases.

Let's try it.

- Write a water cycle rap in the style of Eminem
- Give me 5 strategies for including autistic pupils into Y7 DT lessons.
- Write a headteacher's letter about teacher strike action and school's plans on the strike day.

Chat GPT - FAQs



- How much does it cost?
- Can you get it on your phone?
- How did it learn?
- How does it work?
- What about privacy?
- Who funds it?
- Does it hallucinate?
- Can it write based on recent events?

Dall-E

"A run down London estate painted in the style of John Constable"



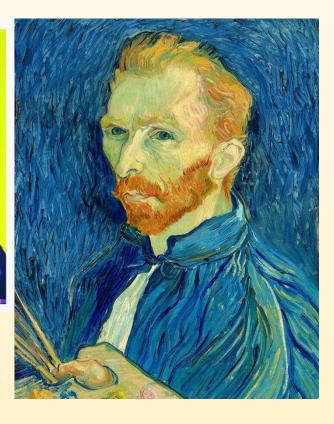


Dall-E

"Claudia Winkleman painted in the style of Van Gogh"







Other Al: Midjourney









www.9000Lives.org
Twitter: @9000Lives_org

Other Al: Midjourney











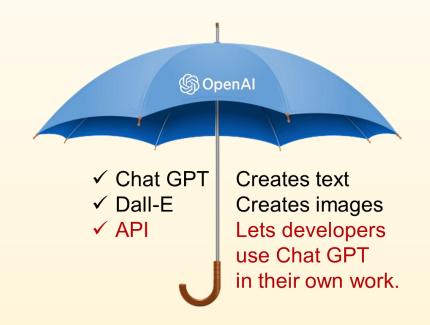


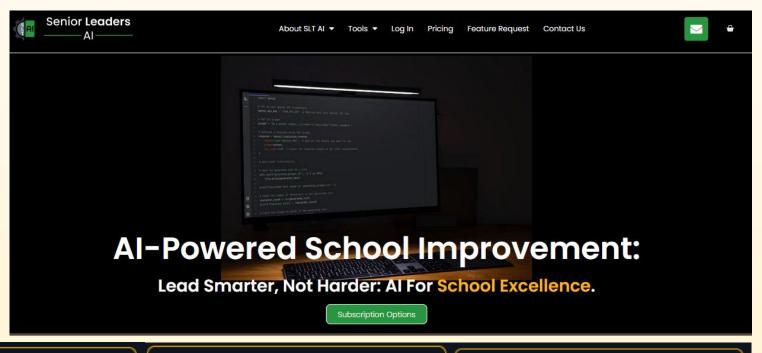


There are others, but this is at the head of the pack.

www.9000Lives.org
Twitter: @9000Lives_org

API & Senior Leaders AI











Risk Assessments

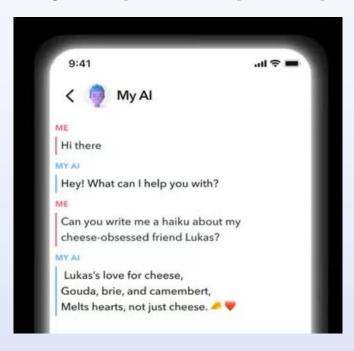
Help identifying risks and controls to put in place to mitigate these



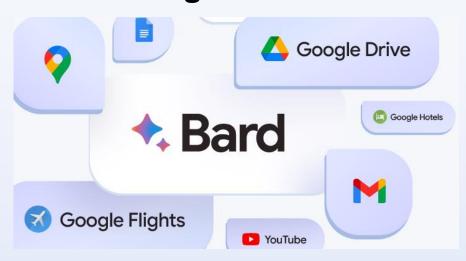
Combating Imposter Syndrome

Support and practical advice to combat Imposter Syndrome.

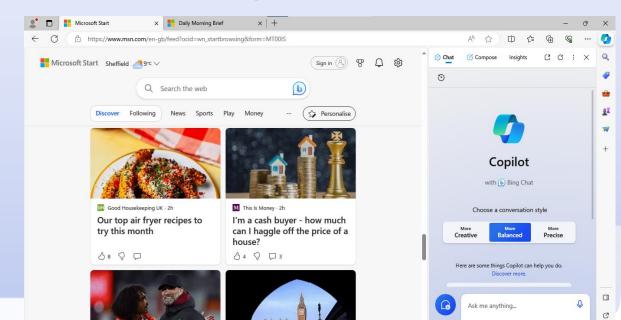
My AI (on Snapchat)



Google Bard



Bing AI / CoPilot



What do these four people have in common?



66

The PE teachers encouraged me every step of my football career.

Mr Seal, my old PE teacher, was even there at my Anfield debut.

J.

Raheem, Former MGS Student



66

I'm predicted Grade 9s in most of my subjects.

The teachers make our lessons really interesting.

ż

Grace, Year 11



6

It's a much bigger than my primary school, but still friendly.

I've made lots of mates and also play for the Y7 basketball team.

"

Jacob, Year 7



We have excellent links with our feeder primary schools.

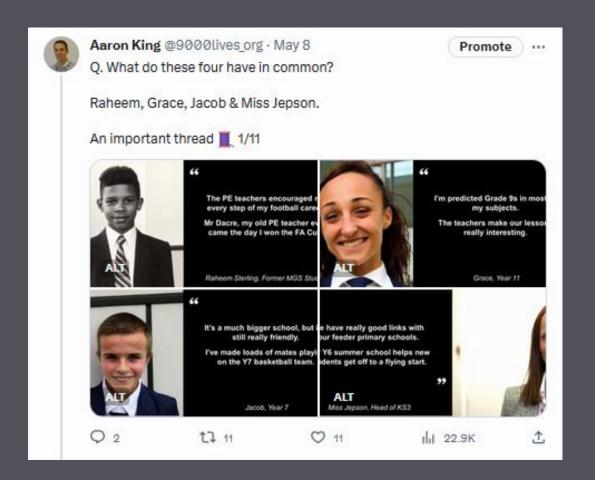
Our Y6 summer school helps new students get off to a flying start.

99

Miss Jepson, Head of KS3



Building on What we know already?

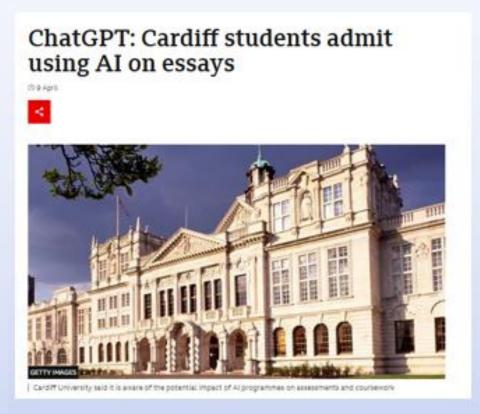




Nothing travels faster than the speed of light... Apart from bad news which has its own special rules.

Douglas Adams

Al and Risk



BBC News, April 2023



BBC News, 24/09/2023

Fake Images & Cheating



ChatGPT doing Y9 homework (Write a rap about the noble gases)

Helium's the first, it makes your voice go high,
Balloon in hand, it's gonna reach for the sky,
Neon's next in line, lights up the city night,
Bright and colorful, it's quite a sight.

(Chorus)

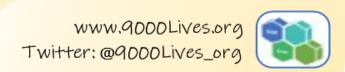
Noble gases, they don't like to bond,
Stable and unreactive, yo, that's their bond,
In the periodic table, in group 18,
They're the real deal, know what I mean?

This is AI? What's the problem?

Jack, aged 7, shines brightly as a diligent worker and cherished friend among his peers. His commitment to learning is truly inspiring. In phonics, Jack is making impressive strides. He eagerly engages in phonics activities, showing a keen interest in mastering letter sounds and blending words. His enthusiasm for learning new phonics skills is evident in his focused participation during lessons.

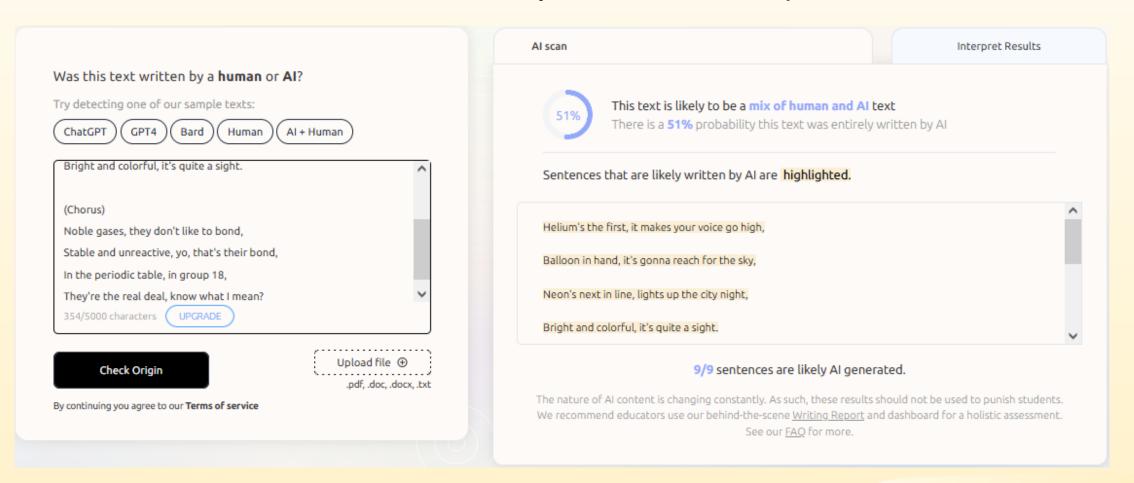
Moreover, Jack's amiable nature fosters a warm and inclusive classroom environment. He is admired by his classmates for his kindness and willingness to help others. Jack's positive attitude and friendly demeanor make him a joy to be around.

In all aspects, Jack's dedication and affable personality contribute positively to our classroom community. His eagerness to learn and his ability to support his peers



Combatting 'Cheating'

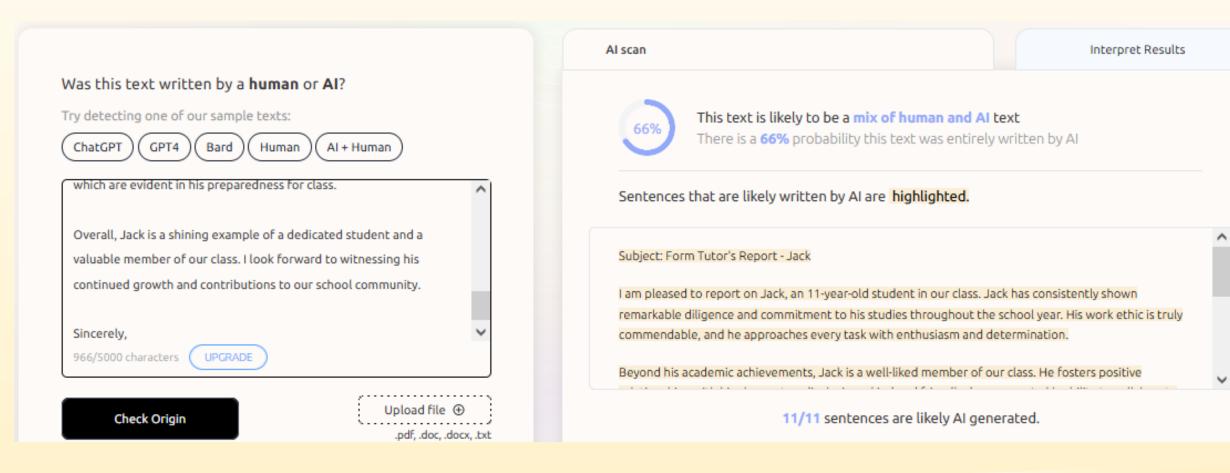
GPT Zero vs my Noble Gases rap

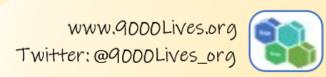




Combatting 'Cheating'

A teacher report on Jack.



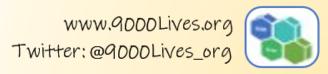


Risks - Hallucination

- Are we (and CYP) already exposed to inaccurate information on the net?
- Did we used to look down on Wikipedia?

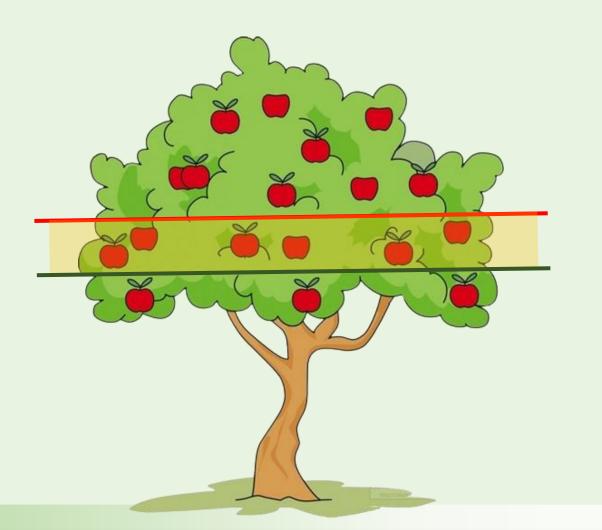


 Do we teach pupils how to weigh up what they trust already? Is it only a small step extra for AI?



Back to the FAQ – What about Privacy?

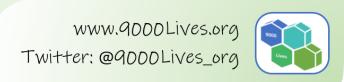
The apple tree analogy: a clear way to explain the 'rules' to our colleagues.



It is unsafe to reach these until a ladder is in place. However tempting... However juicy... Don't.

If you aren't sure if you're overreaching – Don't do it!

You can use Al now for the low hanging fruit. Go for it!



Back to the FAQ – What about Privacy?

The apple tree analogy: a clear way to explain the 'rules' to our colleagues.



The step ladders might be:

- IT systems
- Policies that better reflect the challenges of AI.
- Better understanding of ethics
- Guidelines for staff.

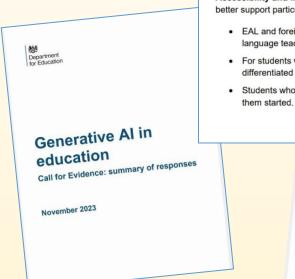
But we're still working on the details and will be for a while.

Once the ladders are in place, we can yield more. But probably still not all.

Onwards and upwards – but with "quality and care."



Risks – a Slide for Leaders



Pages 4 & 5 have info about privacy that's worth checking you're aware of.

Accessibility and inclusion: Respondents felt that GenAl presents an opportunity to better support particular groups of students.

- EAL and foreign language students could use GenAl for a range of uses from language teaching, to correcting spelling and grammar of written work.
- . For students with SEND, teaching materials could be more easily and guickly differentiated for the specific needs of students.
- . Students who struggle with task initiation could use GenAl as an aid or tool to get hreaking down a task into manageable activities.

were substantial and have made a lasting improvement to qualifications, ensuring they reflect the knowledge and skills pupils need to progress. We are committed to creating a world-leading skills system which is employer-focused, high-quality, and fit for the future. Therefore, we will seek to ensure that the system can adapt to deliver the appropriate skills that pupils and students need for the workplaces of the future.

Schools and colleges should ensure that children and young people are not accessing or creating harmful or inappropriate content online, including through GenAl. The department's statutory safeguarding quidance provides schools and colleges with information on what they should be doing to protect pupils and students online. This includes doing all they reasonably can to limit children's exposure to risks from the

It is important to be aware of the data privacy implications of using GenAl tools, Personal and special category data must be protected in accordance with data protection and attended unergory usua titles or protection in accordance that usus protections (egislation, Schools, colleges and higher education institutions (HEIs) should also be open and transparent and ensure pupils understand where their personal or special

Pupils and students own the intellectual property rights to original content they create, and education institutions must not allow or cause pupils' original work to be used to train GenAl models unless they have appropriate consent or exemption to copyright.

There are strict rules in place, set by exam boards, to ensure pupils' work is their own. Sanctions for cheating are serious, including being disqualified from a qualification. Schools and teachers know their pupils best and are experienced in identifying their individual pupils' work. The Joint Council for Qualifications published <u>guidance</u> earlier this year which reminds teachers and assessors of best practice in preventing and identifying potential malpractice, applying it in the context of Al use. Ofqual speak regularly with position imagentative, appropriate in the outstand of all uses, only all operant regulatory what exam boards about risks, including malpractice risks. Ofqual expects regulated Awarding Organisations (AOs) to carefully consider the potential impacts AI may have on their qualifications and, where necessary, make changes to the way in which their qualifications are designed or delivered in response.

GenAl tools can produce unreliable or biased information, therefore any content produced requires professional judgement to check for appropriateness and accuracy. Whatever tools or resources are used to produce plans, policies or documents, the quality and content of the final document remains the professional responsibility of the person who produces it and the organisation they belong to.

To harness the potential of GenAl, people need to have the knowledge to draw on to ensure that it is presented with the right information and to make sense of the results that enours use it is presented whit the light amountation and at triends source on the results white it generates. Access to GenAl is not, therefore, a substitute for having a deep reservoir of и увижение», полеже во степен на иниципанном, а вимениме по навину а мену говетного в subject knowledge held in your long-term memory. GenAl tools can make certain written

ico.

ico. **Q** ≡

What does the UK GDPR say?

Personal data is defined in the UK GDPR as:

"personal data' means any information relating to an identified or identifiable natural person ('data subject'); an identifiable natural person is one who can be identified, directly or indirectly, in particular by reference to an identifier such as a name, an identification number. location data, an online identifier or to one or more factors specific to the physical, physiological, genetic, mental, economic, cultural or social identity of that natural person".

This means personal data has to be information at relates to an individual. That individual must ntified or identifiable either directly or 🚹 from one or more identifiers or from

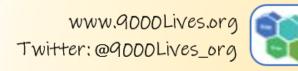
What are the 'special categories of personal data'?

The UK GDPR singles out some types of personal data as likely to be more sensitive, and gives them extra protection:

- · personal data revealing racial or ethnic origin:
- personal data revealing political opinions;
- · personal data revealing religious or philosophical beliefs;
- · personal data revealing trade union membership:
- genetic data;
- biometric data (where used for identification purposes);
- data concerning health:
- data concerning a person's sex life; and
- · data concerning a person's sexual orientation.

nuidance we refer to this as 'special







A diary entry for Macbeth

Write a diary entry for Lord Macbeth (for the day after Banquo was killed on his orders). Write it in a modern style. Use up to 4 paragraphs.

Dear Diary,

Today, as I sit here in the aftermath of last night's harrowing events, a profound sense of remorse washes over me. The darkness that now engulfs my soul is suffocating, as I grapple with the realization that I am responsible for Banquo's untimely demise.

The night unfolded in a dreadful manner. I had given orders for Banquo to be killed, driven by a combination of fear and ambition. My thirst for power blinded me to the weight of my actions, and I find myself haunted by the image of his life extinguished before my very eyes.

Though I did not physically carry out the deed, the burden of guilt rests heavily upon my shoulders. I can no longer deny the monstrous transformation that has taken hold of

me. Ambition has twisted my once honourable intentions into a treacherous path, leading to the destruction of friendships and the descent into darkness.

As I reflect upon the banquet that followed Banquo's murder, I am sickened by the facade I was forced to maintain. I am now trapped in a web of lies and deceit.

Yours tormented, Lord Macbeth

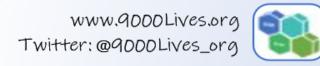
Today, as I sit here in the aftermeth of last night's burrowing events, a preferred cores of reserve weakes over me. The darkness that new coupults my soul is sufficienting, as I grappic with the realization that I am respective for Bungae's actionaly denice. The violat antidated in a dreadful number. I had given orders for Bungae to be killed, driven by a continuation of fear and antition. By thirst for power thailad not to be weight of my actions, and I find resoft humanical by this image of his life extinguished before my very eyes. Thought I did not pinguishly carry out the dead, the lourden of guilt roots heavily upon my shoulders. I am a langer dien; the

Opening: Dear Diary

Four paragraphs

- 1. Setting out mood
- 2. Describing events
- 3. My feelings on the events.
- 4. Final reflections on regret.

Closing line





Imagine you are a Y4 teacher. Write a word bank of 10 or so key words that children might need when writing a non-fiction text about the origins of Lego. For each word (or term), give a short definition or explanation of it. Use simple language that is suitable for a 7 year old. Present this in a table.

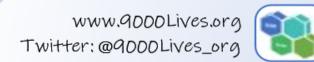
Lego Origins: Word Mat

How many of these will you use in your non-fiction text?

Word	Explanation	
LEGO	A type of toy made of small plastic bricks that fit together.	
Ole Kirk Christiansen	The man who started LEGO. He created the first LEGO bricks.	
Bricks	Rectangular blocks used to build with LEGO.	
Denmark	The country where LEGO was invented.	
Тоу	An object or plaything that children use to have fun.	
Construction	The act of building or putting things together.	
Imagination	Using your creativity and ideas to create new things.	
Play	Engaging in activities for fun and enjoyment.	
Invention	The creation of something new or unique.	
Interlocking	How LEGO bricks fit together securely.	



* NB the formatting on this table is done by a human, only the text is Chat GPT.





English / PSHE (Y1/2)

A Recipe for Friendship

You are a Y2 teacher. Write a very simple recipe for friendship that's suitable for readers aged 6 and mainly uses words easily decodable using phonic knowledge that 6 year olds have.

Recipe for Friendship

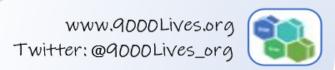
Ingredients:

Smile Share Help Listen Play Kind Friends Fun

Instructions:

- Put on a big smile and show it to others. A smile makes everyone feel happy!
- 2. Share your toys and things with friends. Sharing is caring!
- 3. Help your friends when they need it. Lend a hand and be kind.
- 4. Use your ears to listen carefully when friends talk. Listening shows you care.
- 5. Play and have fun together. Play games, run, and laugh!
- Be kind to others. Say nice words and do nice things.
- Friends are special. Treat them with love and respect.
- 8. Enjoy the fun times and make memories with your friends!
- Remember, friendship is like a special recipe that needs all these ingredients to make it wonderful. Keep being a good friend, and your friendships will grow strong and last a lifetime!







English / Phonics (UFS/KS1)

Structure a Phonics Parent Workshop

You are a Foundation Stage teacher. Draft the structure for a 40 minute phonics workshop for parents of 5 year olds. The goal is to enhance parents' skills to support their child's progress in reading. Make it as engaging as possible.

Title: Phonics Workshop for Parents: Empowering Your Child's Reading Journey

Duration: 40 minutes

Workshop Structure:

Introduction (5 minutes)

- Warm welcome and introduction of the workshop facilitator.
- Briefly explain the importance of phonics in early reading development.
- Emphasize the role of parents as key partners in supporting their child's reading progress.

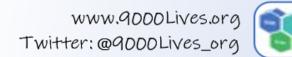
Phonics Overview (10 minutes)

- Provide a concise overview of phonics and its relevance in learning to read.
- Introduce key phonics concepts, such as letter sounds, blending, and segmenting.
- Share the benefits of a systematic and synthetic phonics approach.

Interactive Activity: Phonics Sounds (15 minutes)

- Engage parents in a hands-on activity to practice phonics sounds.
- Provide a set of flashcards or phonics sound cards.





Could it help teacher work-life balance

- 1. Mark work?
- 2. Moderate work?
- 3. Write schemes of work?
- 4. Write letters to parents?
- 5. Write school reports?



Can help with non-work tasks?

YES

My love,

You are my sanctuary, bringing peace and completeness to my life.

In your embrace, I find solace, and your unwavering support anchors me through life's challenges. Your love brightens my world, filling my heart with joy and warmth.

I cherish the love we share.

Yours always,

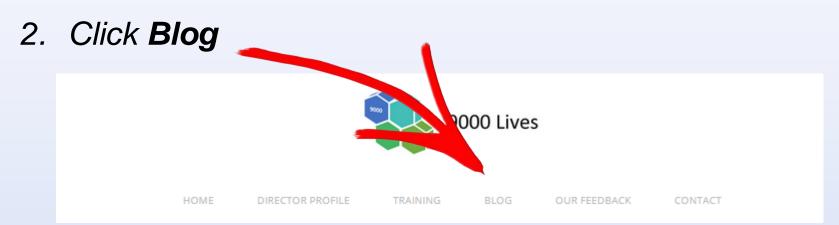
[Your Name]

XXX



Let's look at some school examples

1. Go to **9000lives.org**



- 3. Click on How can schools use Chat GPT to make the world better for pupils?
- 4. Scroll down to find *Chat GPT guides for Schools* and open the one for your school type.



So far...

All has text and image making tools that make long tasks simple.

It's already being used in schools.

Can be used to write students work, teachers to create documents and create images of other children.

Can be used to mark students work, create documents and save teacher hours.

Now... reading (booklet) or playtime



Let's Play: What can you create?

What can Chat GPT give you?

(NB: All of the following examples are covered in this booklet).

- Diary entries
- Biographies of celebs
- Comprehension Questions
- Non-Chronological Reports
- Summaries of books
- Topic Word Banks
- Alternative versions of stories
- A plan for a Parent Workshop

- A Y11 Leavers Assembly Song
- Art
- Monologues
- Trip Letters
- Social Media Posts
- Love Letters
- A Critique of TV's Nick Knowles
- And much, much more

Once a user has become familiar with Chat GPT, it also has the power to draft medium term planning. However, this is a guide for beginners, so more advanced use isn't covered in this booklet.



Thinking Long Term

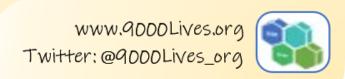
Will advancements in computer brain power solve problems like cancer?

- Could the first person to live to 200 have already been born?
- Could the first person to live to 200 could be someone in this room?

Could 'work' be something that becomes obsolete during the lifetimes of our pupils?

 Could they end up with a life of arts, dance, singing, socialising based on a universal basic income?

Will SEND become extinct...



Thinking Long Term

Dylan William did a paper on the future: https://osf.io/preprints/edarxiv/372vr

"The Future of AI in Education: 13 Things We Can Do to Minimize the Damage"

Scenario 3: Transhumanism where we upgrade our brains. We choose to upgrade ourselves through brain-computer interfaces to compete with the machines and remain in the driving seat.

We think this scenario is possible in the longer term – beyond 2045 – as brain-computer interfaces become less invasive and more sophisticated. But as we become more 'machine-like' in our thinking, we may be threatened with potentially losing our humanity in the process.

There would also no longer be any need for schooling or university, because we could 'download' new skills from the cloud.

No one can be sure how this pans out.

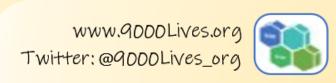


Thinking Long Term

What	Explained in lay terms	When is it expected
AI Artificial Intelligence	When AI can do lots of thinking.	It's here already.
AGI Artificial General Intelligence	When an AI can accomplish any intellectual task that a human can.	2040 – 2050 But a breakthrough could be as soon as 2025.
ASI Artificial Super Intelligence	When an AI has the cognitive power of every single human who has ever existed. Described as 'God in a Box' (Kurtzweil, 2013).	2060.



No one can be sure how this pans out.

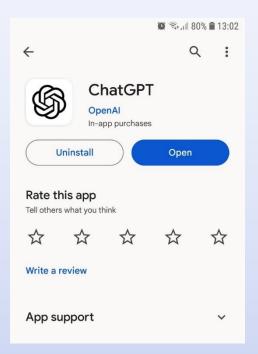


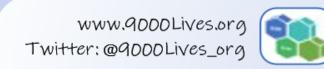
Can it draft advice?

Advice for Communicating with Pre-verbal Pupils

- **1.Use Makaton:** Makaton supports communication through signs and symbols, aiding comprehension and expression.
- **2.Use Reduced Language:** Simplify sentences and use visual cues. Example: "Time for snack" instead of "It's time for us to have a snack." This helps pre-verbal pupils understand and respond.
- **3.Provide Processing Time:** Allow pauses after speaking to give pupils time to process information. Pre-verbal pupils may need extra time to understand and formulate responses.
- **4.Intonation:** Use varied intonation and facial expressions to convey meaning and engage attention. This helps maintain interest and understanding in communication exchanges.







Can it read policies & tell me what's important?

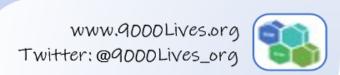
It depends how long the policy is.

- < 3000 words, you can normally do in GPT 3.
- > 3000 words, you need to split it in two parts and ask it to summarise them one at a time.



Or, you can pay for GPT 4 (allowing you 25,000 words in the prompt) @ £16 per month.





Challenge: Could it improve a policy?





"We want to make sure that you love learning and become curious, independent thinkers.

This means we encourage you to ask questions, take risks with your learning, think in creative ways, and not worry about making mistakes.

Learning isn't just what happens in class – it's everything you learn at school, like in events, daily routines, and even outside the classroom.

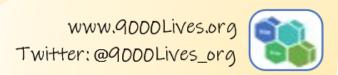
We want all of this to fit with what our school stands for and what we want to achieve."

How might you use AI in your role?

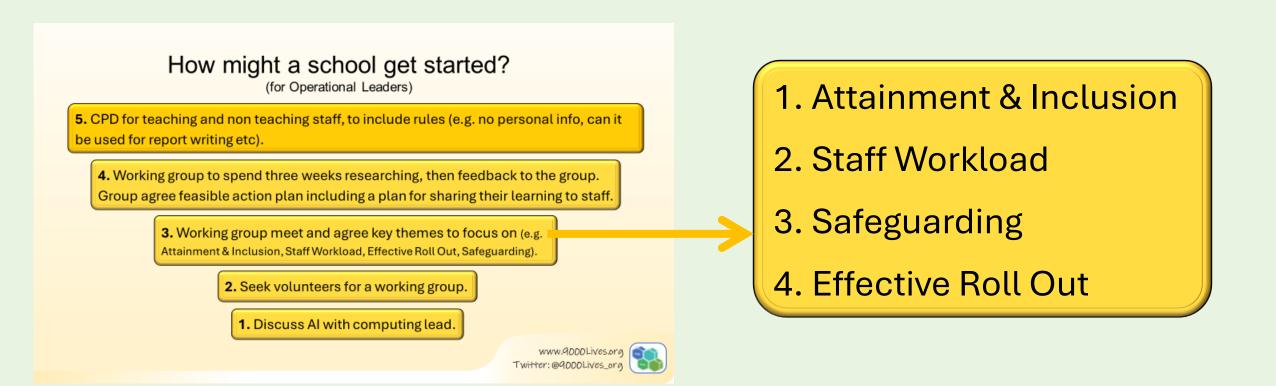


How might a school get started?

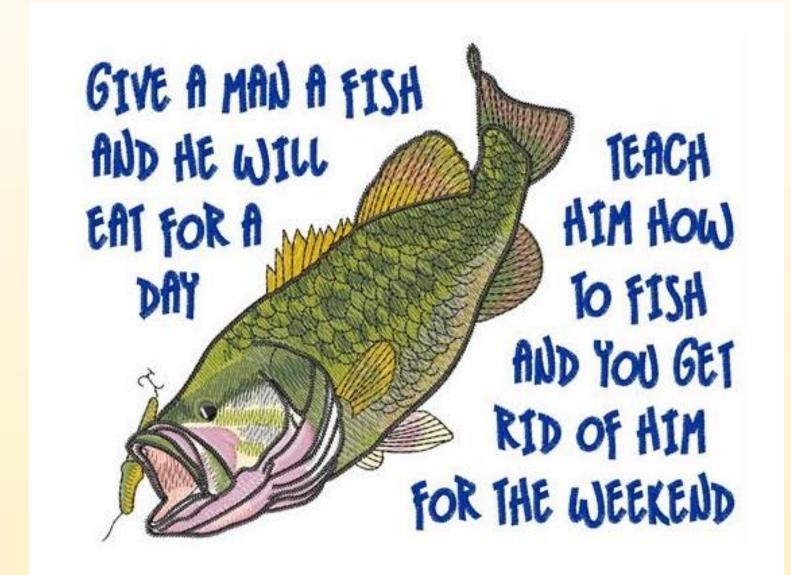
- **5.** CPD for teaching and non teaching staff, to include rules (e.g. no personal info, can it be used for report writing etc).
 - **4.** Working group to spend three weeks researching, then feedback to the group. Group agree feasible action plan including a plan for sharing their learning to staff.
 - **3.** Working group meet and agree key themes to focus on (e.g. Attainment & Inclusion, Staff Workload, Effective Roll Out, Safeguarding).
 - 2. Seek volunteers for a working group.
 - 1. Discuss AI with computing lead.



What themes might my school need to consider?



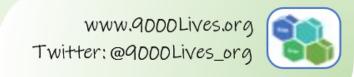
How does any of this help MY workload?



The next slides support the discussion of the Al topic at SLT Meetings.

1. Attainment & Inclusion

- 1. How AI might help to improve pupil outcomes?
- 2. Do we, as leaders, have a vision for AI being used to improve student outcomes, for example:
 - Increasing inclusivity in lessons.
 - All bots being able to give advice to staff on mental health issues so they can intervene early.
 - Providing personalised 'next steps' to help students improve their work?
- 3. Do we have any early adopters who are already using AI to improve support for SEND pupils?

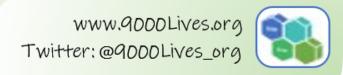


1. Attainment & Inclusion (Student Use)

- 1. Are we, as leaders, happy for students to:
 - Use AI to get **real time feedback when working at home** (e.g. Chat GPT: Here's my opening paragraph, can you give me three ideas on how to improve it?)
 - Use Al to get real time feedback when working in class.
 - Use AI to complete homework tasks?
 - Use AI to complete art projects?
- 2. If so, has this been communicated to staff and students?

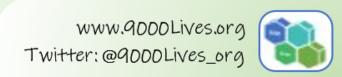
Attainment and Inclusion (AI & Homework) Secondary only

- 1. How much do we think students are using AI to help them in their homework?
 - As a school, will we support or discourage the use of AI in homework tasks?
 - What guidance have we given (or will we give) students about using Al in homework tasks?
- 2. What discussions have staff been having about adjusting homework tasks to be more resilient against AI use?
- 3. Are staff aware of any AI detection tools (e.g. GPTZero, Copyleaks)? Have they been using them at all?



2. Staff Workload

- 1. Are we, as leaders, happy for staff to use AI to:
 - Generate personalised work for a pupil (e.g. if they have a learning difficulty & needed lots of repetition on basic learning that other pupils have secured.)
 - Plan Schemes of Work?
 - Provide SEND strategies (e.g. five tips to support autism in KS2/3)?
 - Moderate student work?
 - Write reports? (Probably NO until we have got very tight guidance)
 - Write letters?
- 2. If so, how / when will this be communicated to everyone?



3. The Al Roll Out

- 1. Who is leading the roll out of AI?
 - What support or release time do they have?
 - Can they access money for training or trainers?
 - When might we expect to see the fruits of their labours making an impact on, for example, inclusion or workload?
 - Have we given strict rules to staff (e.g. don't submit personal data such as children's names)?
- 2. Have we remembered support staff and office staff in our plans? How?
- 3. Does Al appear in our computing curriculum? If not, what are our plans?



4. Safeguarding

- 1. Have we had any incidents of students using AI to alter images of students or staff?
 - How can we best deal with any such incidents?
 - What are (or would be) the consequences of such incidents to the victim(s), as well as others who engaged in the creation or sharing?
- 2. What guidance will we give to students about the consequences of digitally altering images of others in a malicious or harmful way?
- 3. Do we foresee any changes to any of our policies to reflect any safeguarding risks from AI?
- 4. Do any groups risk being left behind (e.g. any pupils/families who can't afford enough data to get through the full month?)

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Summary

Al has tools that make long tasks simple and can do things that you can't.

It's already being used in the education community. The genie is out of the lamp.

It can be used to improve outcomes and reduce workload, but must **never** breach privacy.

You've a 5 step plan.