

Ryelands

AI Lab

Reimagine

Believe

Achieve



Background to the Ryelands AI Lab

Ryelands AI Lab is a research collaboration of Ryelands Primary and Nursery School with Lancaster University. The concept was to explore new ways of teaching Ryelands students about Artificial Intelligence (AI) image generators.

We decided to take a hands-on approach. Over 6 weeks we learned prompt writing and parameter manipulation for image generation. We used those skills to reimagine our school by generating lots of images, and we have put those together in this imaginary prospectus.

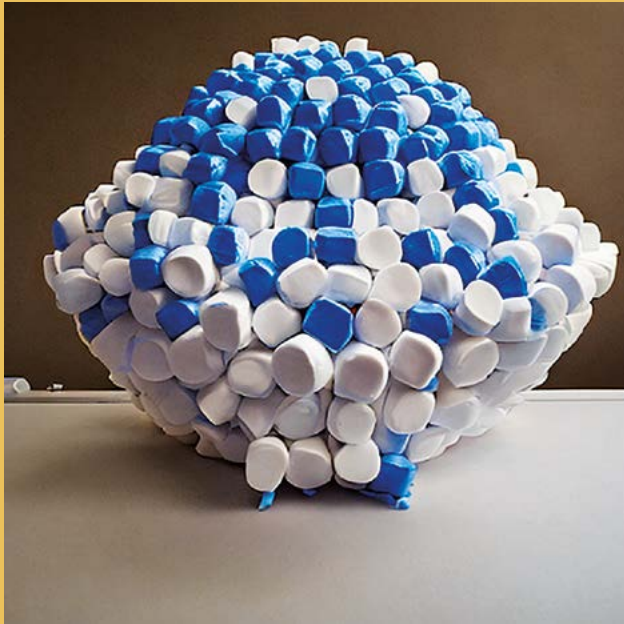
The research team and teachers have been hugely impressed with how quickly the student members of the Ryelands AI Lab have developed their skills. This is at the cutting edge of research into AI and education, and we hope that this research will help develop curricula that others can benefit from. We are extremely grateful for the support of the school, the teachers, parents, carers, and most of the all students.

Dr Joseph Lindley

Dr Jesse Josua Benjamin

Ryelands
AI Lab
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1. Welcome
2. School Grounds
3. School Uniforms
4. Classrooms
5. Break Time
6. Library
7. Robot Staff Initiative
8. Farewell



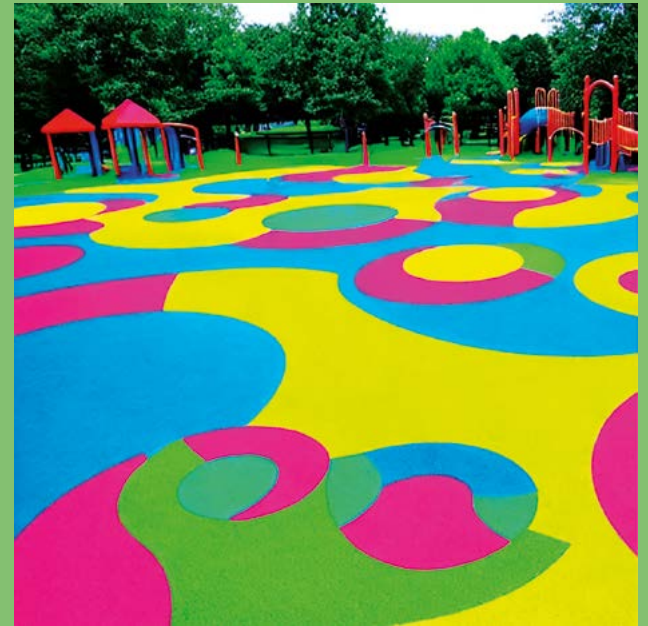
Welcome to Ryelands as you've never seen it before!

We are thrilled to introduce our new prospectus that we have developed with the help of AI image generation technology.

We have reimagined all aspects of the school, from our buildings, to what food we eat, right through to the playground and furniture.

All of the images you see in the prospectus have been generated by students using their new AI skills. We have also included some quotes from students explaining their visions.

The Ryelands AI Lab



**Our School Grounds
have been redesigned.**



Students tested several new colour schemes for the outside of the school building, with a modern orange-grey colour scheme winning. They also proposed one toilet on each floor with five stalls each.



Our famous willow tree and nature have become important features of our redesign. People can get shade in spring or summer, and if you want the seeds for it come get them.

2. School Grounds

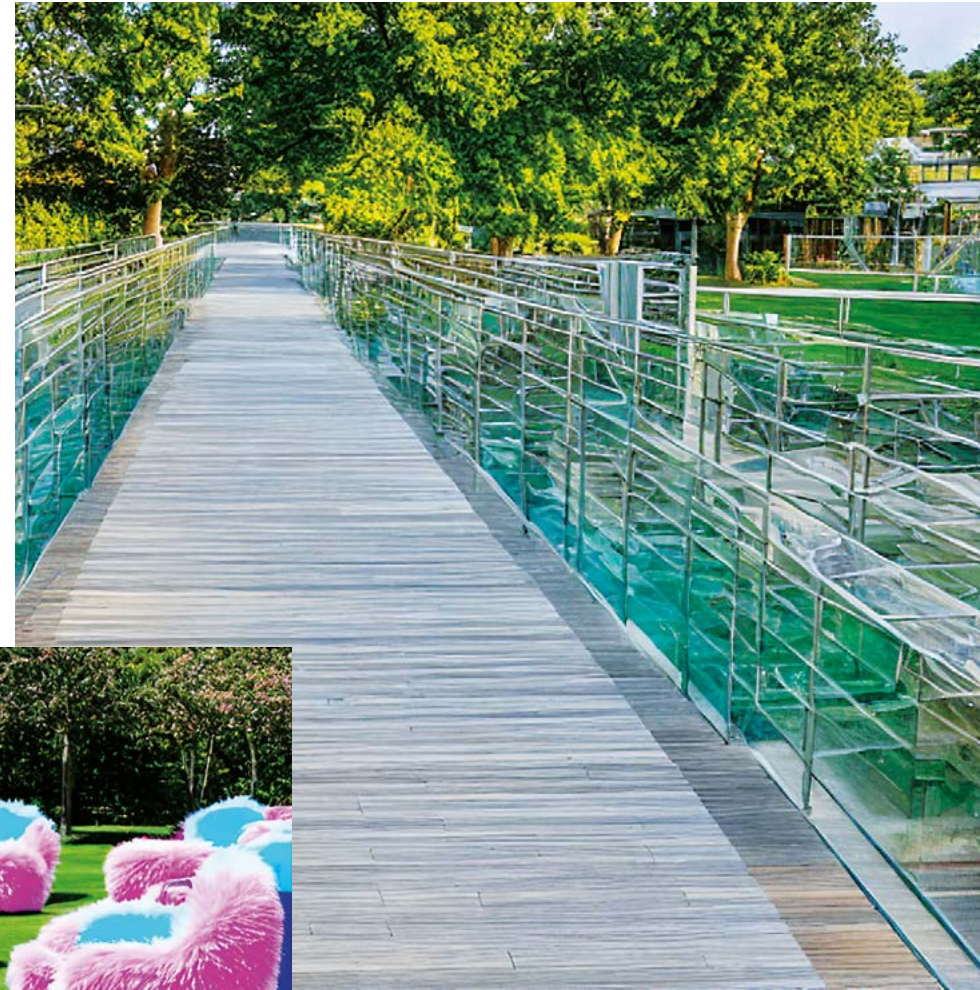


“The new green, fantastic playground orchard is great for games of tag and hide-and-seek.”

Modern walkways connect our orchard, playground and swimming pool areas.

“You can chill, work, or rest here and you are allowed to bring beanbags. We provide very extremely fluffy beanbags in any colour.”

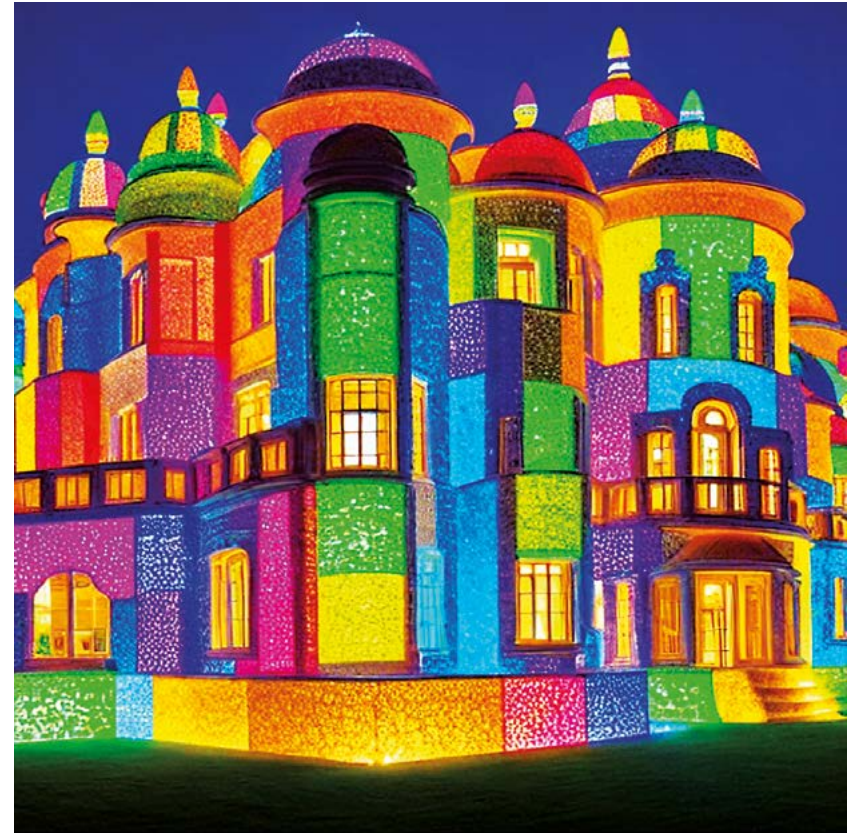
Our fluffy beanbags are waterproof so they can stay outside. Also, underneath them there is a zip so inside you can hide your stuff.



We've ensured outstanding provisions on our school grounds for after school clubs. For instance – look at the Rainbow Mansion™:



“You should come to this school because you can have great swimming lessons, better than normal swimming lessons at Salt Ayre.”



“I stare at it all day. It's a beautiful rainbow. So it means it's magical.”

Bright and cheerful rainbows provided much inspiration for our reimagining of Ryelands.



“There are yellow flowers, and children can play games here, and there are beautiful rainbows and pink clouds in the sky.”

The school's willow tree isn't just famous. This beloved centrepiece of our field has got some new tricks up its sleeve.



“When it is sunny the willow tree turns white. When it rains it turns blue. Of course, you can still play near it, draw, learn, read, sleep. You can have fun with it.”

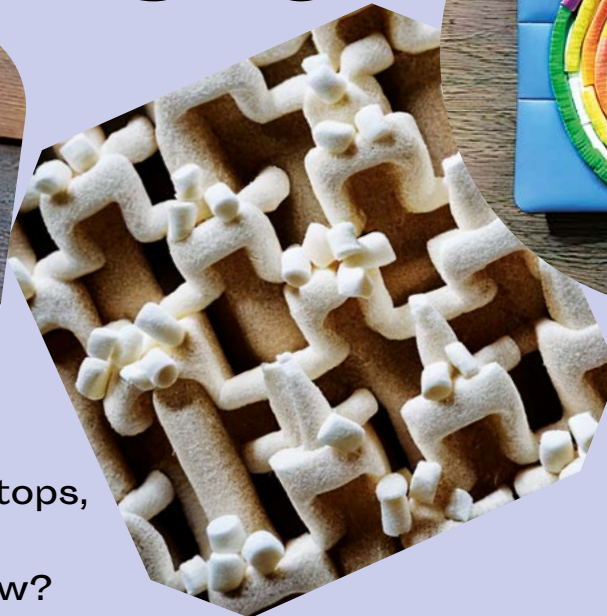
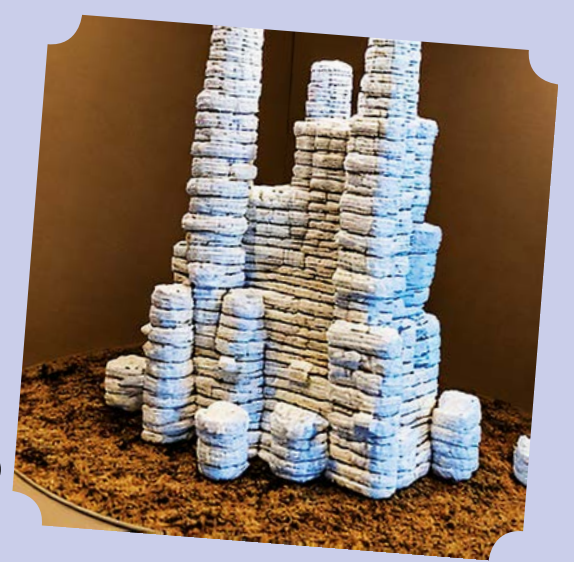
We have a brand new range of chairs designed by students. For instance, our glass chairs will make you feel like you are floating on nothing!



“You should come because you can sit on beautiful glass chairs and they are really comfy and you can work on them and sleep on them in the middle of the class and sit next to your best friend.”



JOIN THE Ryelands Marshmallow Club!



We've been experimenting with building laptops, dinosaurs, or castles out of marshmallows.

What else could you make with marshmallow?



We tried out many ideas
for School Uniforms.





We used a range of artist styles (such as Winifred Knights above) to reimagine school uniforms.

Although we liked the old style, we decided that something a bit more modern would be better.

Turn the page!



ā 'skirt only' competition entry inspired by a Merseyside football club; not popular with either Manchester City or Arsenal fans.



ā high-fashion entry which found many admirers, though the polyester fabric was a bit sweaty and no one liked wearing fully-enclosing cat masks all day.

School Uniform Competition



These robot helmets were designed to tell jokes to whoever is wearing them all day. It was fun, but distracting. And a bit heavy.



These paper uniforms look fantastic, are 100% recycled and great for the planet. They were not so good in the rain though.

Shortlist

Winner!



School Uniform Competition

“Come to our school, so that you can wear the smartest uniform.”

And we've been trying out a few lunchbox designs, too.



“This lunchbox helps people to appreciate what team they support and that nobody will make fun of what team they support. If you don't like Arsenal then you can use a different lunchbox or have a school meal.”



“Come to our school, you will get the best lunchbox ever because it is colourful. It will send shivers down your spine and it is free, the lunchbox.”



**We imagined brand new
ways of learning in our
Classrooms.**



Just like the classrooms themselves (above), what goes on in them has been reimagined. Take our food-related class events (right).

“We have food parades every Friday. You can bring your favourite food to school and show it off for the world to see. We have the best food fight training.”



A look at our lab members' thoughts on AI and...

Copyright: Is it OK to generate images based on artists' styles?

"Yes, if they're happy."

"No, because I wouldn't want someone to do it to my drawing."

"Yes if they agree, or are dead."

"Yes because it makes great images."

"Yes, so we can get images that look like particular artists."

"No because it's copying."

"Yes, because you're making new art."

"No, because artists lose their jobs."

Creativity: Is using an AI image generator as creative as doing a painting?

"Yes, it is cool."

"No, because it's not real pictures."

"No, because you're not the one doing it."

"Yes, you can't tell the difference."

"No, because painting is more difficult."

"It's about the same."

"Kind of feels like it."

"Yes, because you have to think about what you want."

"No, because it's not hard."

Ownership: Which of the prompt or generated image do you feel are "yours"?

"The prompt, because I wrote it."

"I wrote the prompt so it's my image."

"The image because it's my words."

"The prompt, it's the only bit you create."

"The prompt came from my imagination."

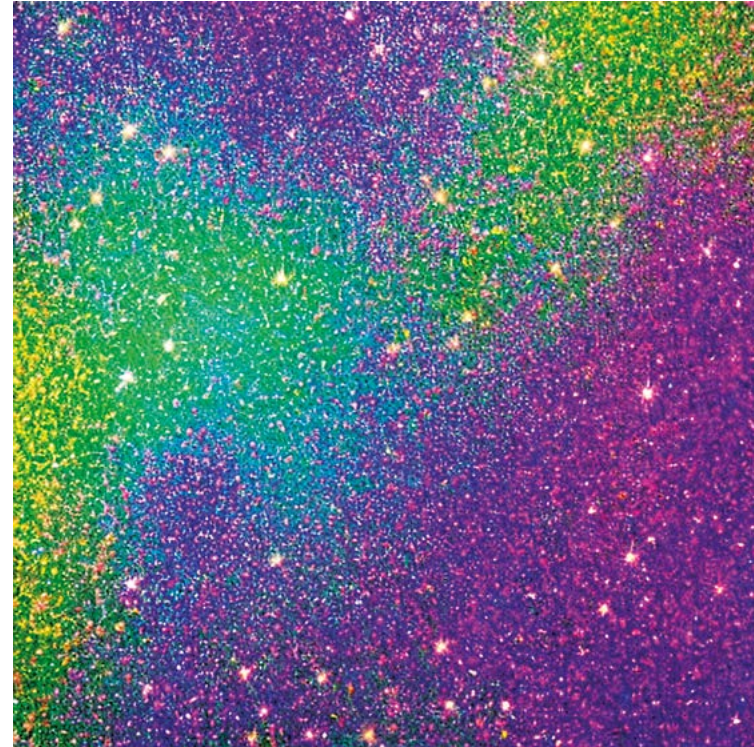
"The prompt is the only bit you put in, so that's the bit that's yours."

What do you think?

We have reimagined the walls of our classrooms. Here we see a personalisation display, wall and a colour-changing glittery wallpaper.



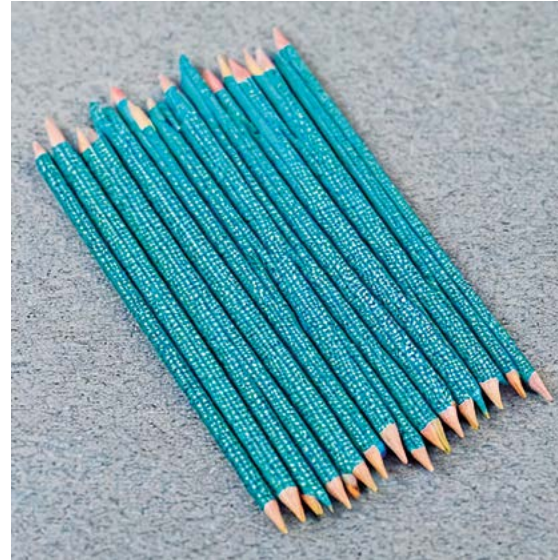
“You can enjoy looking at this artistically beautiful decorated wall. You can place special trinkets from home on the wall.”



“It will give new ideas and is glittery and cool.”



We have a whole new array of colourful tables, stationery, and pencils. If you accidentally get pen on the new tables you won't see it. You can write the answers on the table for your times-tables and leave them for next time.



Our double-sided sparkle pencils are designed to not only make writing more exciting, but automatically neater as well!



“The pencils are textured and double-sided so when they snap you can go to the other side. They are so neat, it makes your handwriting so neat so then your teacher gets impressed by you.”



A whole new range of colourful and comfortable seating options make class a joy for every student. Our galaxy design chair is super comfortable and can teach you about the stars, and the stools with integrated tables are both colourful and functional.



“The pillow on this chair will make you feel like you are sitting on a cloud. The pencils are easy to wash off so you can always draw everywhere so come to our school and have fun.”

Ryelands AI Lab have
created the patented
Walkabout Chair

It is not only comfortable, but
can automatically carry you to
your next class.



**CONTACT THE RYELANDS AI LAB
TO TAKE PART IN TRIALS**

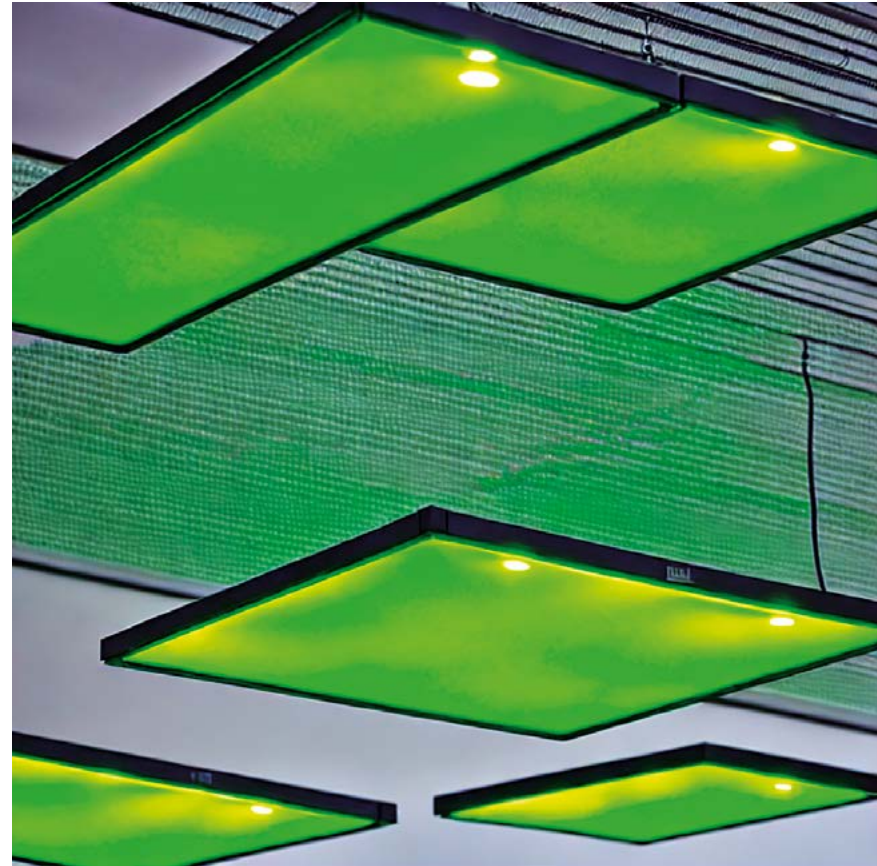


There's much more of
our school to see and
use at Break Time.

Walk through our giant hallway...



...and it has a glittery, shiny and square giant light. Our hallway is see-through and you can see all the beautiful trees. In other places, we have green lights everywhere based on a student request.



“The heavenly green light makes you happy.”



Our high-ceiling hall has plenty of windows. You will see that it is a quiet hall to hear school news and have lunch, and walk to your classes.



“This mural is in our hall and it will send shivers down your spine. It grows every day.”

In some of our hall areas, if you look up, you will see a calming and educational display of the galaxy on our shapeshifting ceiling. It will also make you feel really calm.



Students agreed that the galaxy ceilings were less boring than normal ceilings.

A sneak peek at our new lunch menu

Come to Ryelands School and try our yummy,
tasty food like this amazing special pizza:

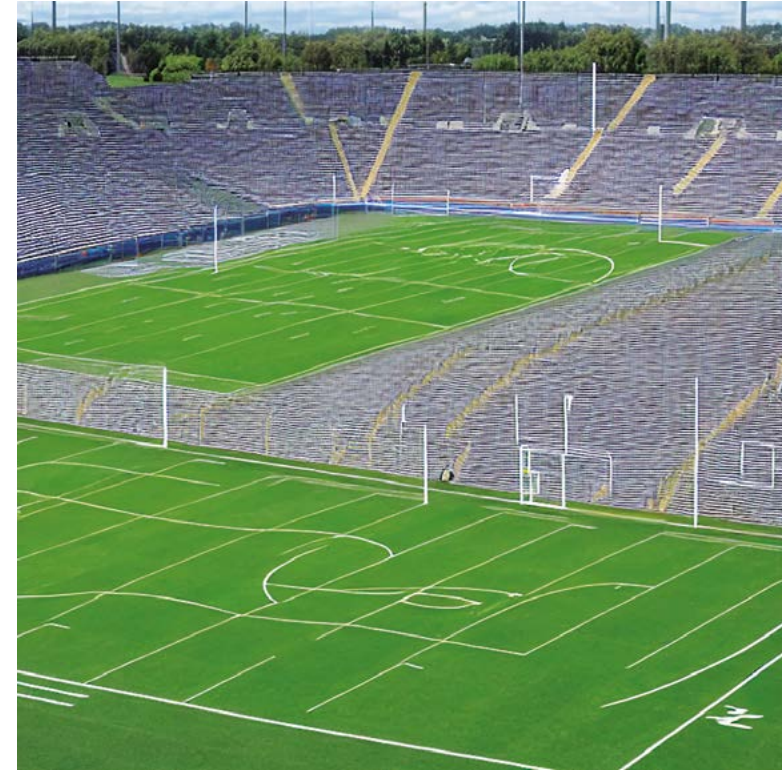
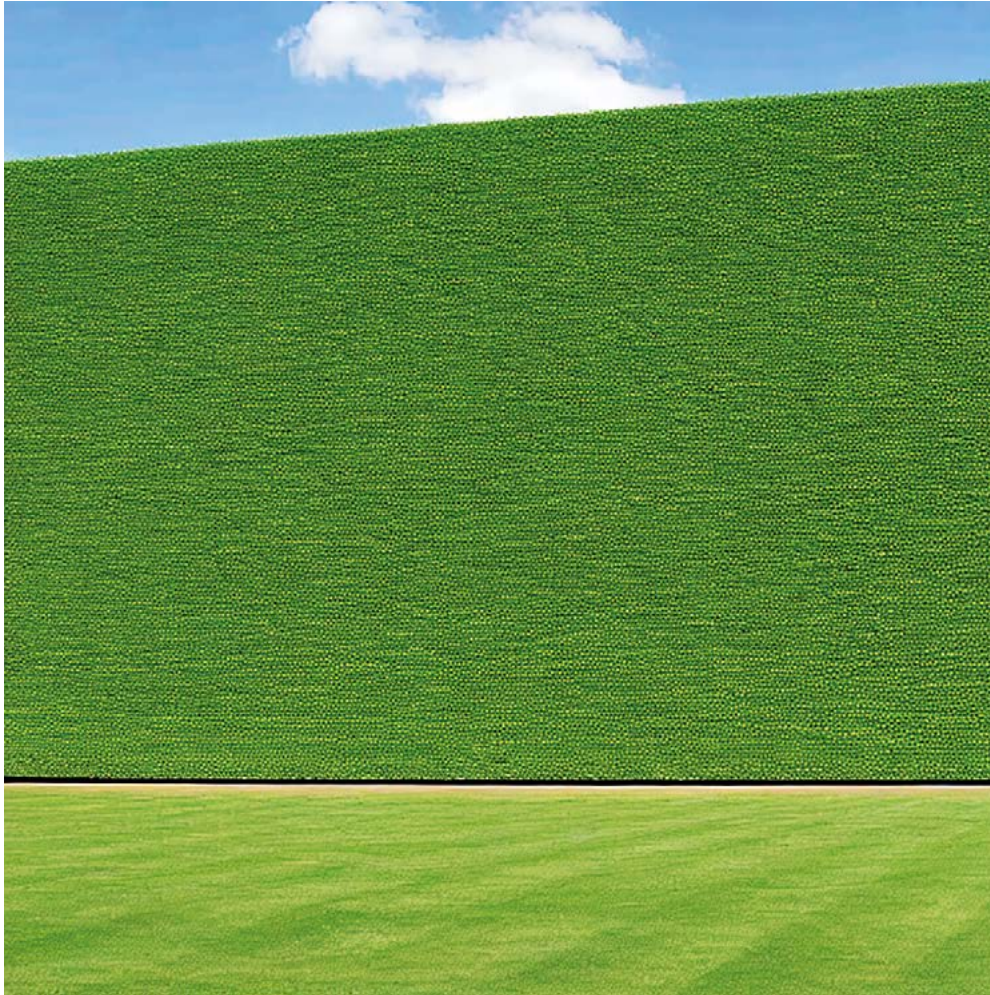


“This is an unhealthy/healthy
snack with sugar and
vegetables in it. The bowl
contains chocolate caramels,
some lemons, and basil.”



“Eat this colourful pizza
with tomatoes, blueberry and
everything you can imagine.
It has a beautiful blue crust
and has lots of cheese.”

And outside is just as important for your break time relaxation as inside, thanks to our brand new sports area and field...



“You can have a good play at Ryelands Primary and Nursery School and play on the never wet field. And also you can fall over, never hurt yourself and you will be fine.”



“You can play ‘floor is lava’ without getting any equipment at all!”



As you can see, you should come to our school—we have lights, high walls, and it’s easy to make friends.



Our brand new Library
is an oasis of calm,
tranquility, and books.

We have a new shapeshifting ceiling, lots of books that occasionally fly, and lots of modern seating. We have so many books that you need a ladder to climb up to some of them.

“Walk through my school and feel like you are in heaven with money. Sit on our comfy, soft, squishy chairs that make you feel that you are on a cloud, you will be above the clouds when you come to my school!”





“When you walk into this library it is like you see a chameleon. There are all the books you could think of.”

We have introduced a range of sculptures and lighting displays, so the library looks incredible at night-time as well as during the day. See what our students have to say about this marvellous reimagination.



“It has a beautiful sculpture of a Christmas tree in the middle of the room. There is a shelf of lots and lots of books on the shelf.”

6. Our Library



“You can have so much fun in the library and it is so beautiful. If you are interested in reading you will love this library. Your eyes will glow.”



“You can have a wonderful time in our library with peace and quiet because it is dark, warm, calm, heaven-like.”

We have also introduced library beds. If you think about it, it makes sense: You can take a nap in our library because it is a very quiet place.

“You can be calm whilst lying on a spongy mattress, reading your favourite book and watching YouTube videos on the iPad.”



“You should come to my school because the library has a bed for two and it has two sofas with every book you like and it has a radiator that is always warm.”

Bored of the library books?
Subscribe to our automated **StoryGenerator**
and listen to breathtaking top-stories such as:



“Grandad’s favourite
cheese”

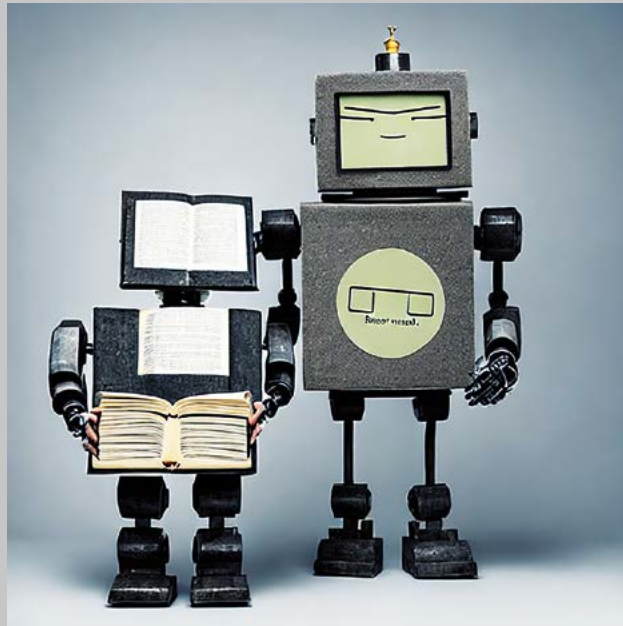


“Our pet plant won’t
stop growing!”



“You’re a triangle.
I’m a square.”

It picks up playground gossip to create
a brand-new story every day!



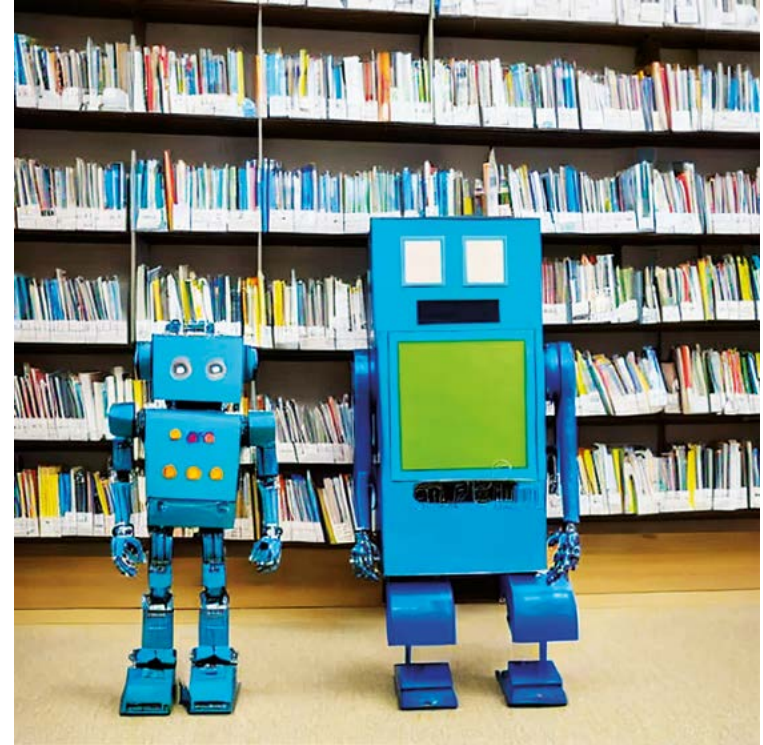
Our radical new Robot Staff Initiative means there are always enough teachers and staff in school.

TEACHBOTS



Our teachbots begin a brand new era of robot-supported teaching for students. They will never have to go for a meeting.

BOOKBOTS



Our bookbots can help you find the book you want, and they can also read it to you.

PIZZABOTS

Pizza is one of the main parts of our new school—
and now there are pizzarobots to help make it!

“The speed is 2x and it will be easier for
the workers and when it is the end of school
you just say ‘turn off.’”



“You should go to my school because you can
ask the robot to get you whatever pizza you
want and when the robot is finished it makes a
“bing” noise and you can hear even when you
have headphones on.”



Thank you for reading!

We thank you for reading our prospectus. We hope that you have enjoyed seeing how we have reimagined our school with the help of AI. Together we are very proud of the creativity and learning we have achieved.

We hope that the students will benefit from their new skills and that the research team will be able to share what they have learned to assist other schools around the country to teach their students about AI too.

The Ryelands AI Lab

AVAILABLE NOW!

Pizzabot

Are you bored of your mum getting angry because she burnt her pizza? Why don't you just get a pizza robot.

You can just set it to the mode that you want and off it goes. When it is done it will make a loud beep.



PERFECT PIZZA
EVERYTIME



Certified members of the Ryelands AI Lab:

Bailey	Dottie	Joe	Noah
Bella	Evie	Junior	Olly
Bethany	Faith	Katie	Phoebe
Cameron	Harley	Kelsey	Scarlett
Carter	Harrison	Kiera	Shania
Charlie	Hughie	Kyran	Shaun-Allan
Chloe	Imogen	Lacy	Stacey
Christopher	Ivy	Maayra	Stan
Dainton	Jakob	Maja	Stanley
Daisy	James	Max	Theo
Danielle	James	Mia	Thiana
Darcie	Jeremy	Molly	Thomas
David	Jesse	Natalie	Willow

Ryelands AI Lab was initiated by



