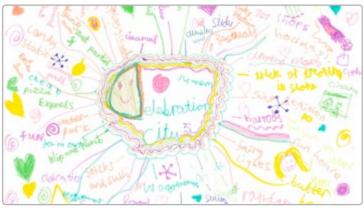


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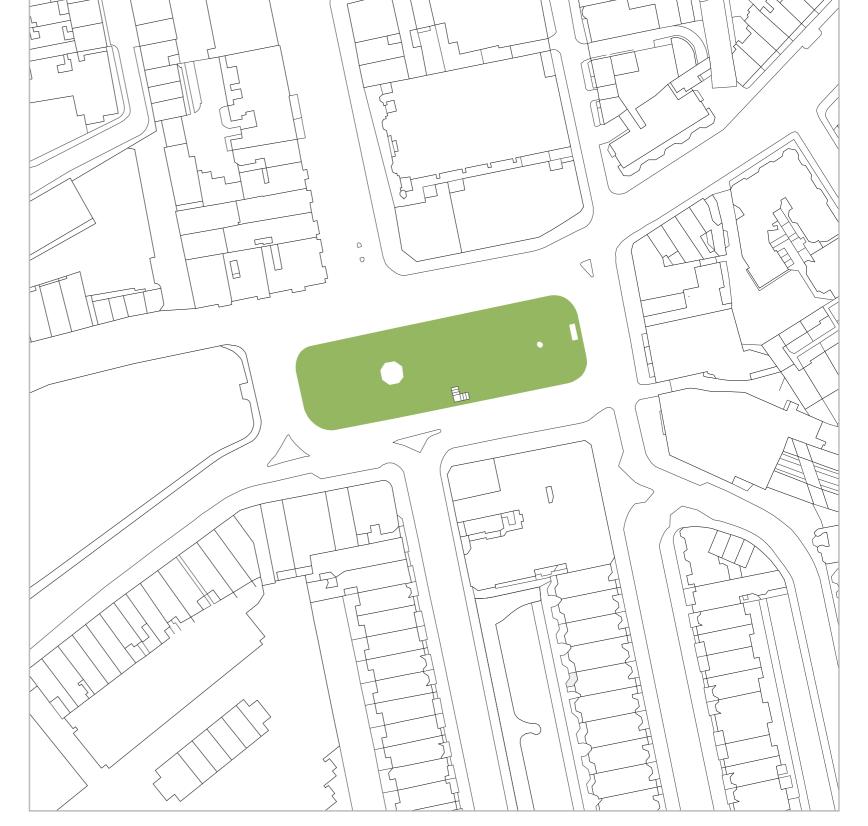
10. Final model



Introduction of the brief

In mid September, the girls were introduced to the Architecture in Schools project and the overall competition brief. As the school is located very close to Sloane Square; and most pupils live around the area, the 'site' or neighbourhood chosen for design and exploration was Sloane Square.

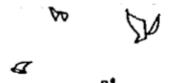
In our very first in-school workshop Y5 were encouraged to think about the meaning of 'A Celebration City', and how architecture might play a part in this. Architecture as a subject or design discipline was very new to them so we looked at a range of iconic buildings in and around London including the Gherkin and the Shard. We focused on 3 activities – Mind mapping 'happy' places, de-constructing familiar buildings, and trying to imagine the purpose of local buildings (both inside and outside) by playing a game of 'consequences'.



Chosen Neighbourhood Project: Re-Imagining Sloane Square.







Inspirations and explorations

The children were encouraged to dream about what the future of the city could be, and how it could be re-purposed to create an inclusive, happy and celebratory neighbourhood for all who use and pass through it. Ideas from their mind mapping session ranged from street parties to Ferris wheel rides and splash parks to petting zoos.

We talked about how all buildings are essentially made up of different shapes. Using only geometric shapes including squares, rectangles, triangles and circles, Y5 were challenged to de-construct familiar buildings and reimagine them either on their own or as part of a skyline.



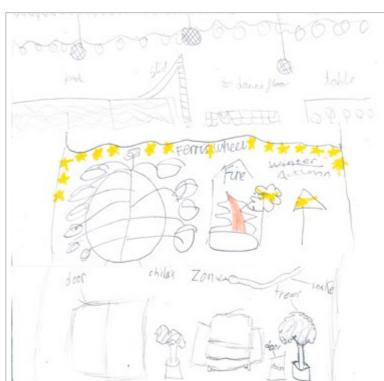
Top left: Deconstruction of familiar buildings Opposite: Mind mapping happy places In order to inspire their drawings, we looked at a variety of architects such as Will Alsop, Zaha Hadid, Hundertwasser and Frank Gehry. We talked about their individual and distinctive styles, but how they all managed to convey their ideas for shapes and proportions.



Below: Sketches and ideas from the children's mind maps and game of consequences.

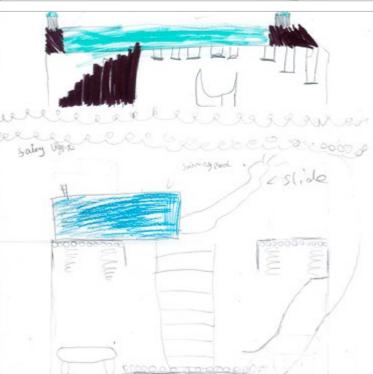














Our visit to Foster + Partners' office





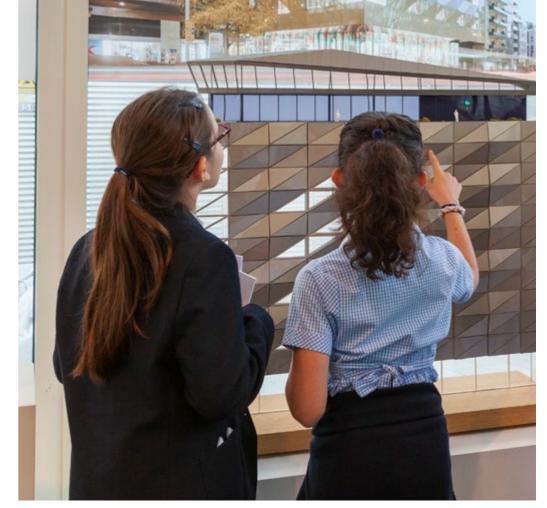
The students and teachers from Francis Holland School visited Foster + Partners on Tuesday 21st September, to learn how architects, designers, model makers and other professionals come together to design buildings and urban spaces.

The team at Foster + Partners gave the school group a guided tour of their campus, including their main studio, material research centre, sketch model shop and took them on a walk around the neighbouring Albion building (designed by Foster + Partners).

The energy and excitement amongst the visitors and hosts was palpable across the campus. The girls not only got an opportunity to see scaled models of the city of London and Apple campus but also saw some model making machines in action.

The model shop team demonstrated how foam board may be cut in various patterns using a CNC machine and the girls were even able to take some tiny foam board shapes with them. The tour around the material research centre generated wide eyed fascination and amazement. The girls were bright and enthusiastic and very keen to start imagining their future designs.









Left: Exploring the modelshop Above: Visiting the MRC (Material Research Centre)



The students were then taken for a short walk around the Albion, (a residential building designed by Foster + Partners), where they had informal conversations about the character of the space and nature of materials, surfaces, urban furniture and landscape elements used.

The girls quickly began highlighting things that were missing from the space and what they thought should be added to make it more, fun, inclusive, warm, and welcoming for everyone. Using London as an example, urban designers from the practice also shared with the girl's simple concepts, ideas, and strategies of how cities are planned and designed.



Left and below: Conversations and walk around the Albion building



After a quick break (that of course included sweet treats) the girls were given a short slide presentation about design elements and features that make urban spaces such as Trafalgar Square, Regents Street, Hyde Park, Granary Square so special.

Conversations ranged from fountains, benches, trees and people movement to car free zones, traffic congestion and inclusive environments.

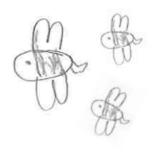
C

Right: Members of Foster + Partners team presenting to the class about urban spaces.

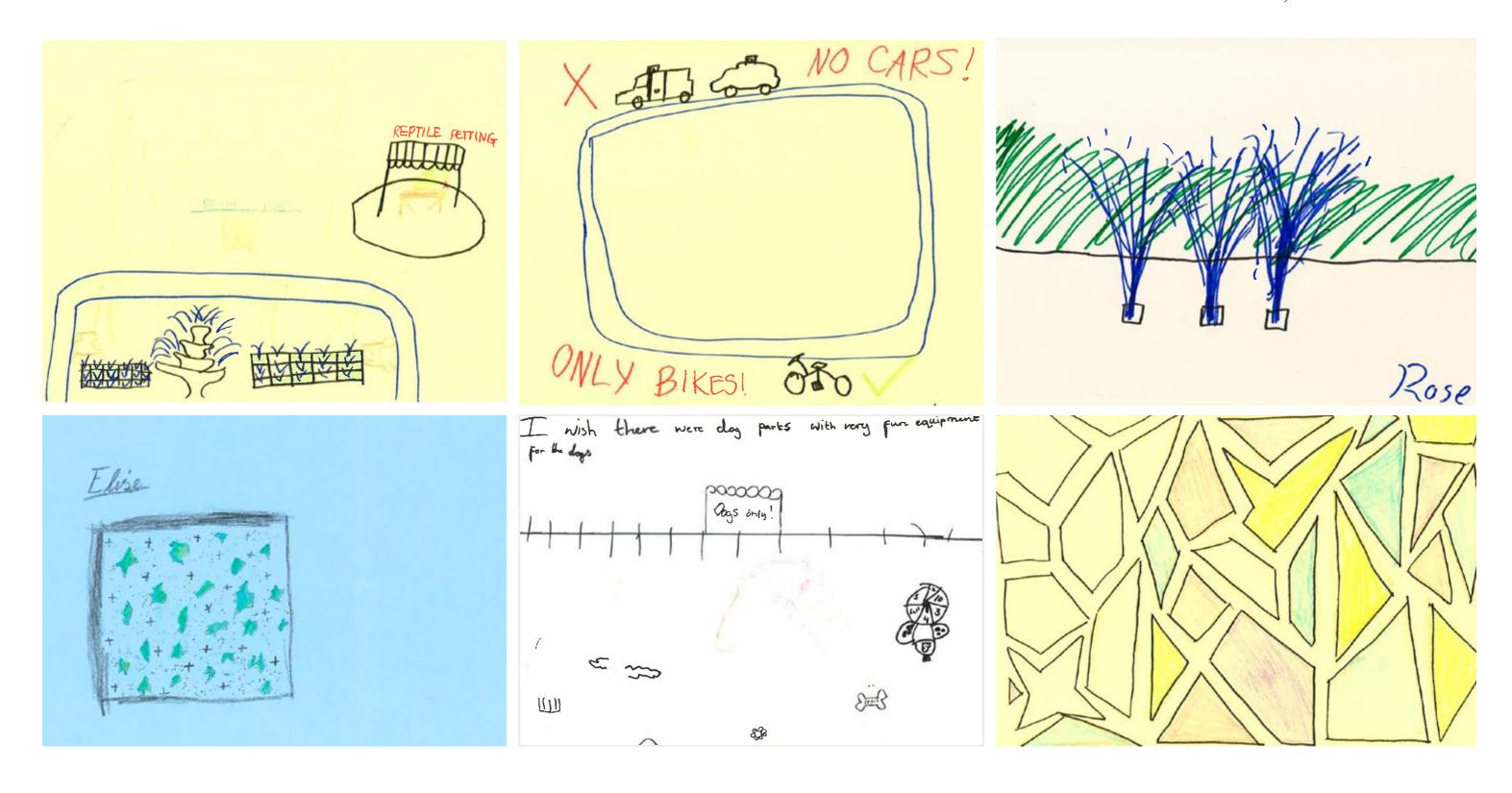




Full of ideas, questions and reflections, at the end of their visit, the girls were asked to reflect on their visit, think about all that they learnt and draw ideas that they 'loved' 'disliked' or 'wished' for. The drawings were clever, insightful, and fun and made for an enjoyable end to a wonderful morning.



Below: A variety of drawings from the reflection activity





Despite a rainy start to the day, the sun briefly made an appearance as Y5 embarked on a local walk of the Sloane Square area on Monday 27th September.

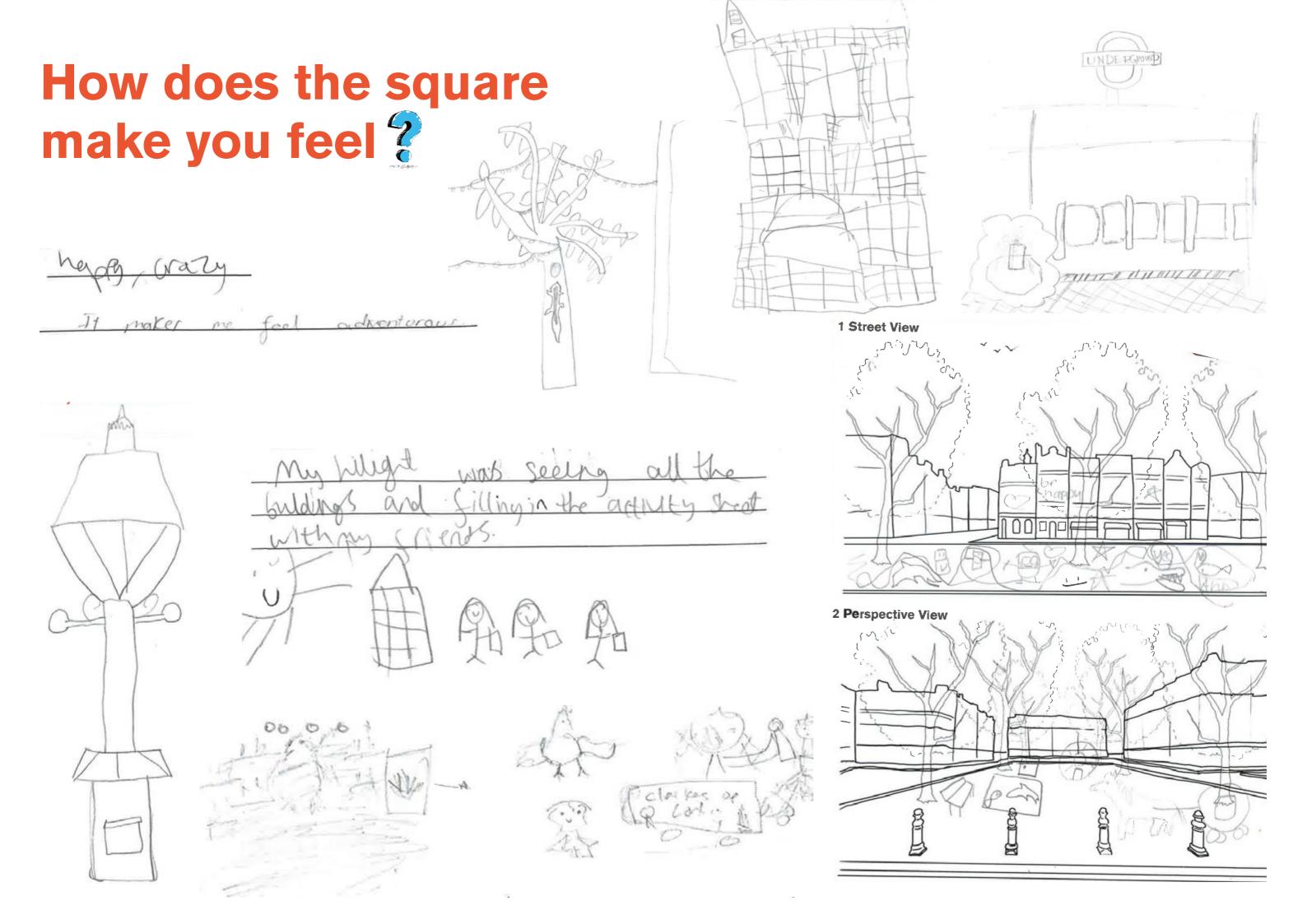
The aim of the walk was to familiarise themselves with their surrounding buildings and to get a sense of what the area has to offer. Activities included describing what they could see, identifying services, sharing how the square makes them feel, finding different shapes in the various façades and surfaces, and sketching some of the buildings and street views.

The children were also encouraged to begin to dream about what the square could become. Their ideas ranged from the very practical such as adding an extra pedestrian crossing to turning the square in to a water play park with a giant slide!











Celebration City (Concept development)



In a design workshop provided by Foster + Partners on Monday 11th October, Y5 were encouraged to re-imagine Sloane Square as part of the Architecture in Schools programme.

Enthusiastic and full of ideas, the girls were divided in to 4 groups - each group acted as the leading architect/designer of a corner of Sloane Square.









The girls used 'post it' notes to draw or write their ideas and collaboratively positioned them on to the plan of Sloane Square.

While their initial focus remained on making Sloane Square a colourful, fun place for 'everyone' to come together and 'celebrate' they also suggested lovely ideas on how to make the design, eco friendly, free of cars, green and clean, animal friendly and sustainable.



















Each group was also led by a member from the Foster + Partners' team who showed the girls various 3D modelling techniques using materials ranging from card to pipe cleaners!



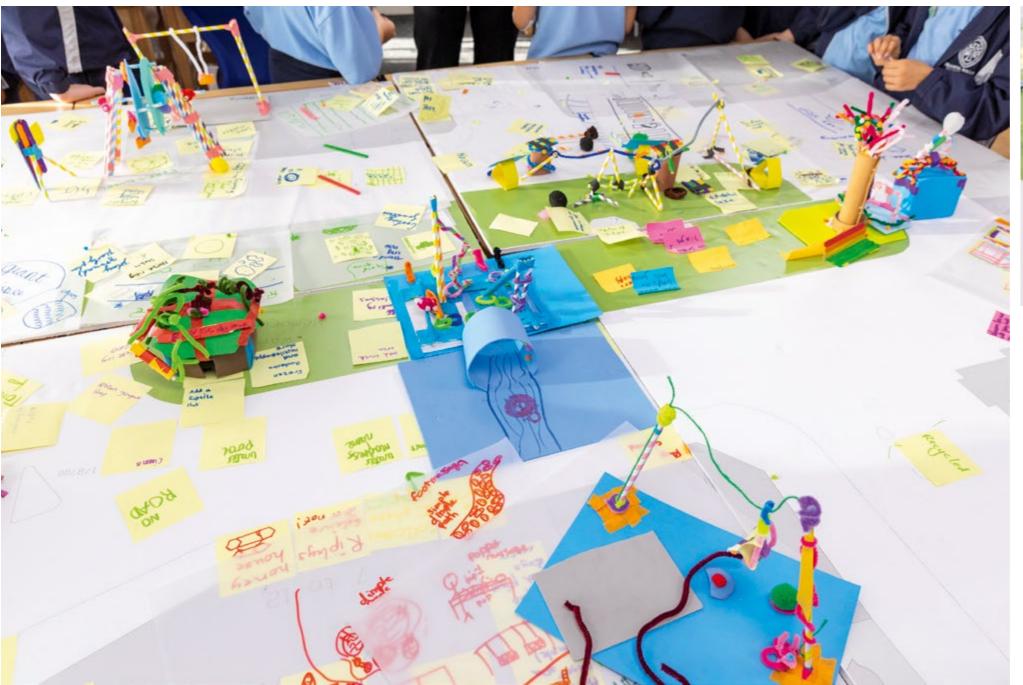
Below: Models made by the class during the workshop













They worked collaboratively to create a Go Ape inspired collection of ropes and swings, a Ferris Wheel, a water park and animal enclosure, and a delightful array of stalls for a food market. What a celebratory, lively and fantastical square it will be!

Clockwise from top left:

Team SE: Ferris wheel, swings

Team SW: Holland's Adventures

Team NE: Animal enclosure, water park

Team NW: Magic tree, fairy swings, ice cream stall



Design development

Having explored various concepts and design ideas with the children, Foster + Partners delivered a workshop on Friday 12th November focusing on drawing their final designs in plan, in preparation for the big build.

In the concept design workshop, Y5 had previously agreed to keep some of the existing features of the square including the station, Colbert (café/restaurant), the Venus fountain, Peter Jones and the war memorial and work their design around them .







Through conversations and discussions in previous workshops the school group had also established that Sloane Square was to be re-imagined as a 'car free' Family Park or Urban Centre.

The overall concept was to transform it into an exciting, accessible and celebratory destination where families, friends, children, grandparents and babies could enjoy a variety of activities. Different parts of Sloane square were to have different activities – each based around the overall theme 'celebration city'. Some of the activities and ideas for these zones included a street food market, a theatre, a fairy swing, rope swings, a reptile petting enclosure, green forests, orchards and a water/splash park.



Below: Second workshop with the class.



In a short presentation at the beginning of the design development workshop, the girls were encouraged to think about making their designs enjoyable for 'everyone', and to suggest surface materials, outdoor 'urban' elements and landscape features that would make the spaces warm and welcoming

Two additional challenges were to think about ways to make the designs 'edible' i.e. grow food within Sloane Square and to incorporate ways to power their designs using 'renewable sources of energy' (connecting back to their geography lessons).



Below: Second workshop with the class.











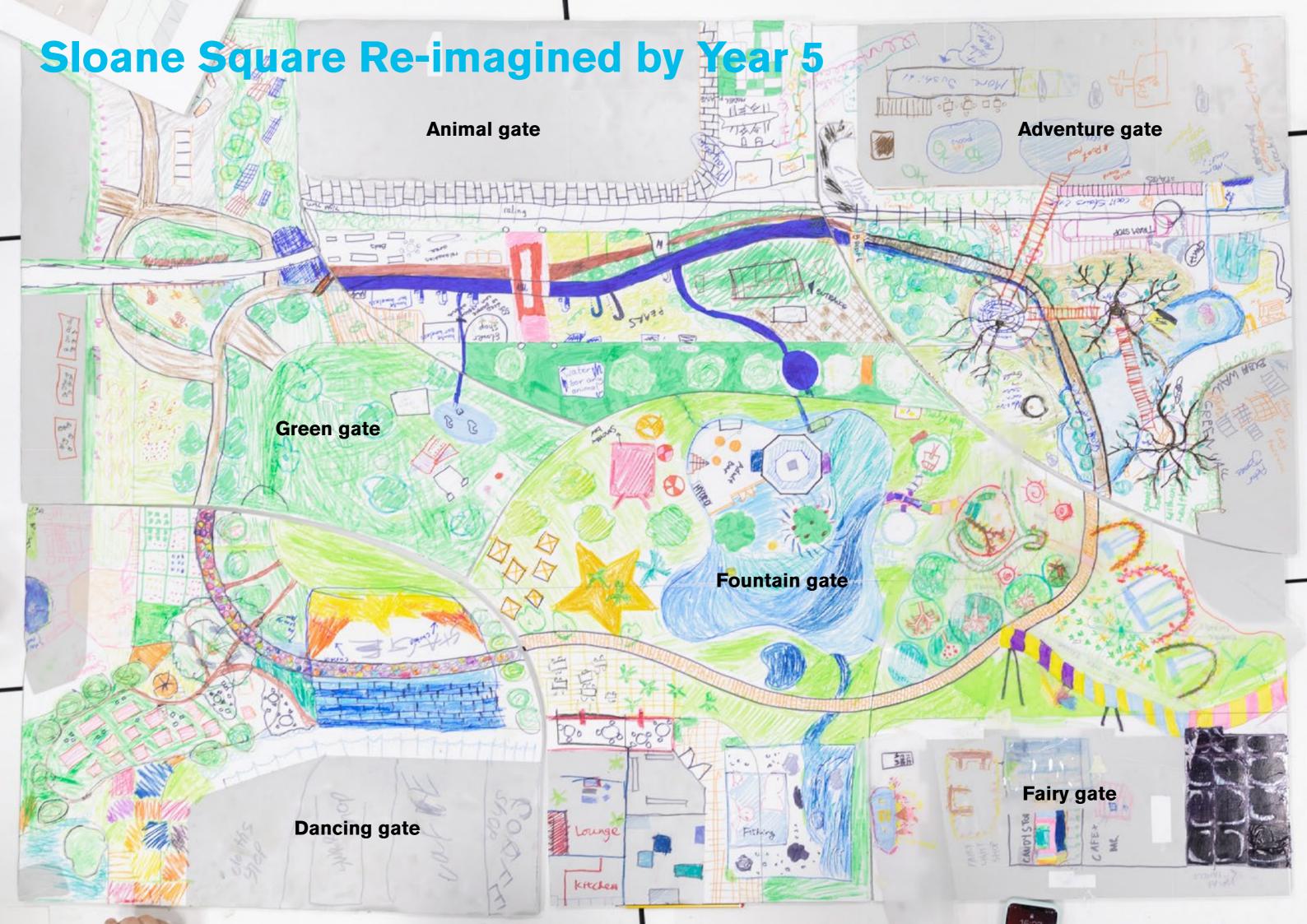


To facilitate the design process Sloane
Square was divided up into various zones
based on the childrens conceptual ideas.
Using the central theme of each zone as
inspiration, the zones were named Fairy
Gate, Dancing Gate, Adventure Gate,
Animal Gate, Fountain Gate and Green
Gate.

The children were allocated a zone and worked in groups of 3 or 4. Once they were happy with their plans, they then had to join their zone to a neighbouring zone to work out how they would connect with each other – a real collaborative experience!

We assembled all the zones together and each group then presented their ideas and final designs to the rest of the class with each child explaining what they had contributed and why.





Design Presentations by Year 5



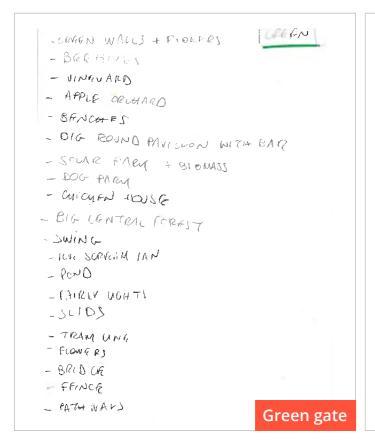


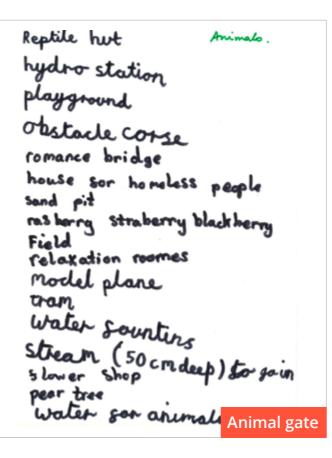




Key design ideas in each zone







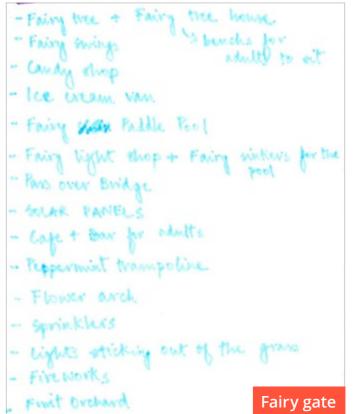


After completing their plan drawings and presentations, each of the groups noted down all the important ideas from their respective zones.

Year 5 were all excited and looking forward to converting their ideas into a 3D model in the next workshop.

```
- Stage: Angels lighting in stage / seating for stage
- Farmer's Market
                                   - Rainbow path
- Studio / UP laurage
                                        (main partn)
  Alotmento (grow food
   le skating
                                    - Benches under the
   Sovenier Shep
                                        tree
   Restaurant
                                    - Seating area in
  Solar panels
                                         Farmer's Market
  Landmark viewpoint
 Sheps / Coffee shop / sweet shop / cloths
 Seating areas
                                    - Le CROM Shop
 Patus
  Big Tree
  Ferry lights
                                               Dance gate
```







Bringing Celebration (Sa) City to life (model-making)





The Y5 Architecture in Schools project culminated in an exhilarating 3 hour final building/model making workshop delivered by Foster + Partners on Tuesday 23rd November.

Working from their drawings and plans created in the previous session, Y5 used a variety of materials and 3D skills to problem solve and creatively construct a range of structures and landscapes.

The children continued to work in their allocated groups and were led by a member of the Foster + Partners model making team, who inspired and encouraged them to take ownership of their individual structures and mini projects within their zones. There were tram tracks made from art straws, a blue cellophane slide, benches made from lollipop sticks, an outdoor amphitheatre made from card and rope swings fashioned out of pipe cleaners and string.



















The energy in the room was palpable and the intensity of the girls focus was evident in their spectacularly joyful and colourful final model of Sloane Square. Year 5 had transformed Sloane Square into a colourful, vibrant, celebratory and inclusive destination that includes activities including an outdoor theatre, adventure park and splash fountain, to a farmers market, allotments to grow your own fruit and vegetables, and fairy swings. The roof tops and facades of the surrounding buildings were transformed into green roofs, cafes, pools and parks and all of sloane square was powered by a host of solar panels, hydro power stations, water falls and windmills. Their individual contributions and collective designs were imaginative, sustainable and inclusive-a year round wonderland created for all.

It really has been a steep and rich learning experience for the children. The project has encouraged them to think outside of the box and taught them the importance of working together as a group and as a class!

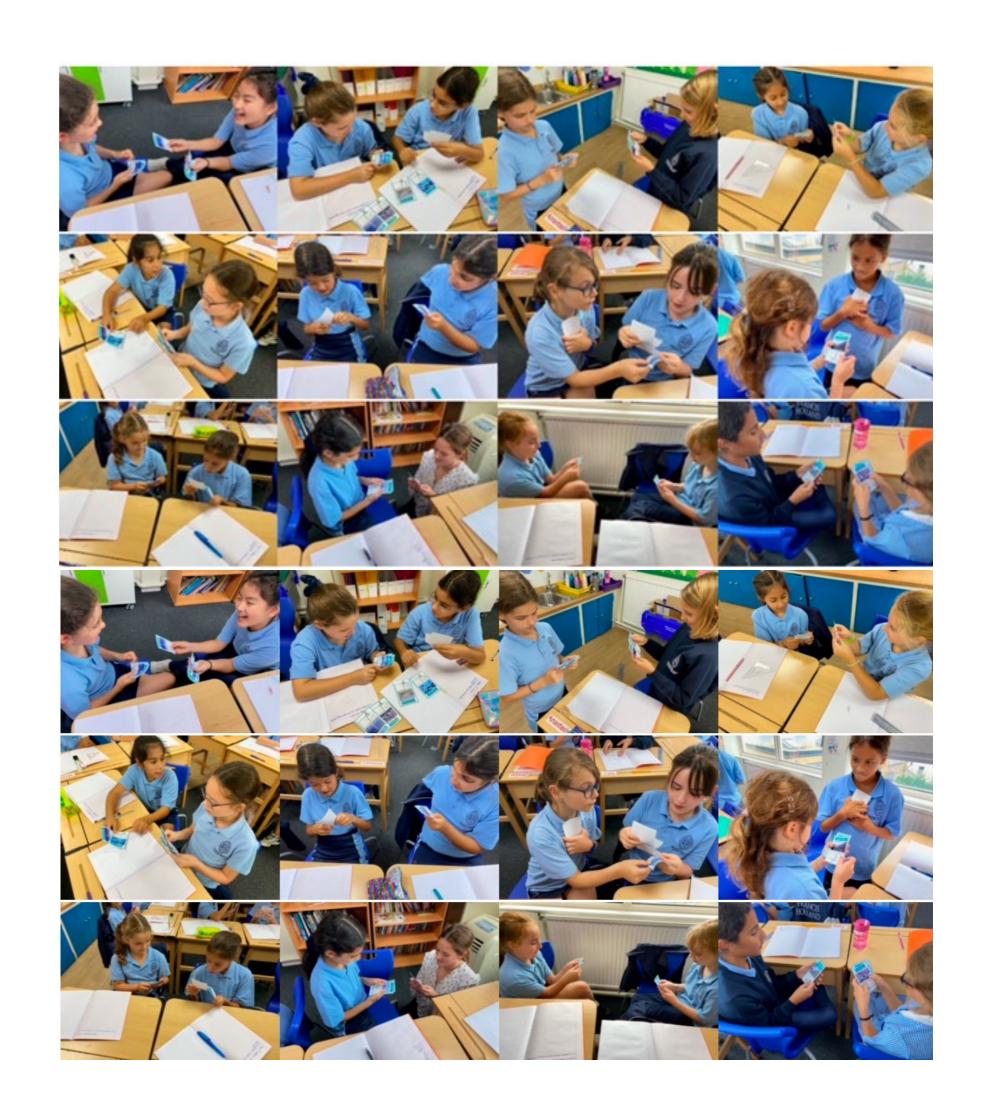




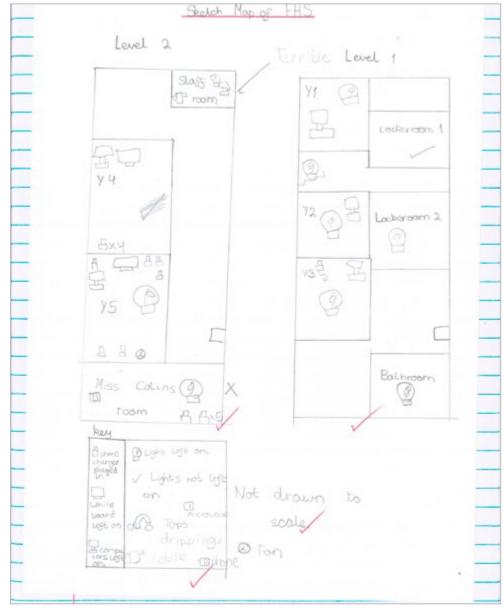
Core curricular links

Y5 have been learning about renewable energies in their sustainability module in Geography. They have explored the different renewable energies available, investigated the advantages and disadvantages of renewable and non-renewable energies (and even played a game of Top Trumps), explored the UK's energy consumption and investigated Francis Holland's energy use.

Through these various activities, Y5 have developed an understanding of how intrinsic energy is in our modern lives – it powers our homes and classrooms, it fuels our vehicles, powers our computers and prepares our food – and why there's a need to move from non-renewable energy sources to a cleaner, greener future!

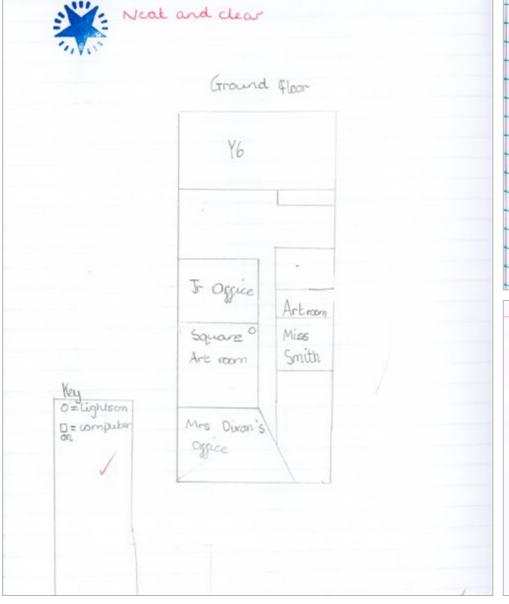


Geography works





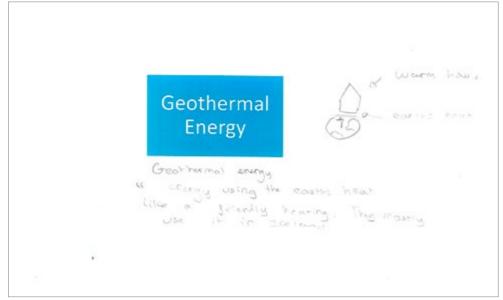


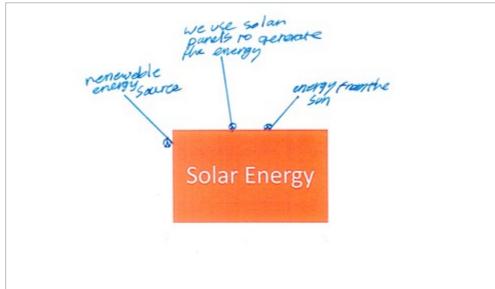


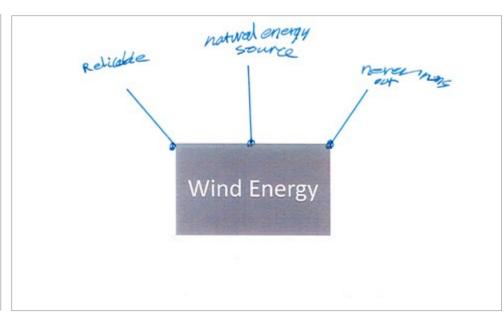
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	of everalli
	rrancis Holland School
_	39 Graham Terrace
	Belgravia
SWILD RUF	SWIW 8JE
Friday 18	5th October 2021
Dear Mrs Dixon.	
I am writing to you to explan	
hew to.	ome suggestions on
Did you know that in every o	
junior school, a white board, e	
light to left on every day.	
many lights on in the classron even need the lights on because much ught	oms, in fact, we don't
Leab A	
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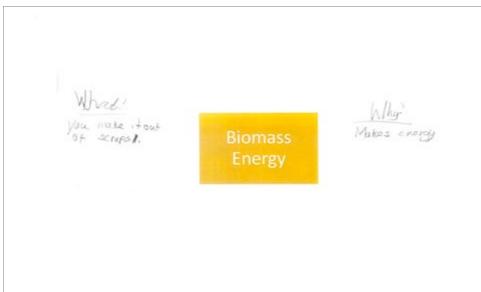
Ion-renewable Energy Source	Advantages	Disadvantages	
Coal Energy	bose of anger energy	One day we will now one of of soul. To much polishion (carbon dis dismide)	
OI Energy	You can use it anywhere	Corban deoxida Very exponeine	
Nuclear Energy	Doesn't produce much waste reliable	Produces very dangerous works	
Gas Energy	Vary efficient Can be used anythere	Produces to much Carbon disside	

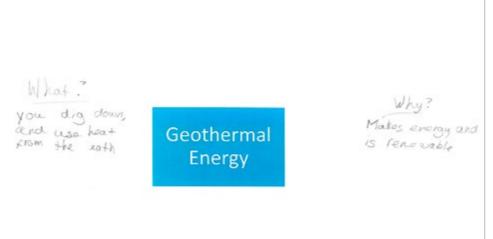
Different Renewable Energies

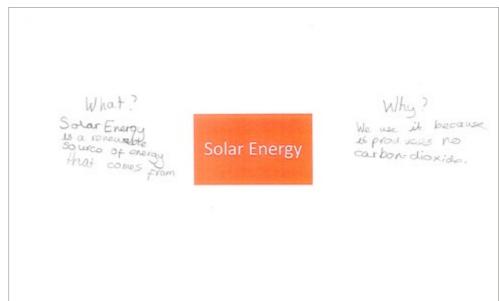


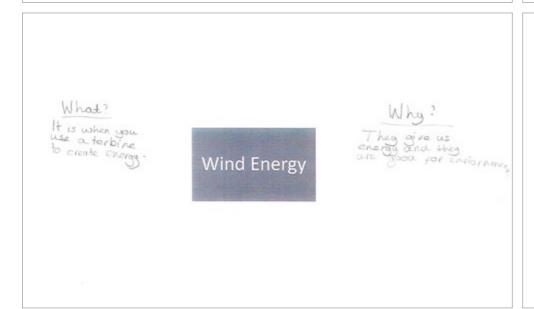




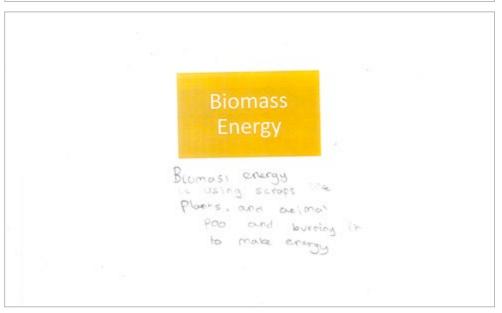




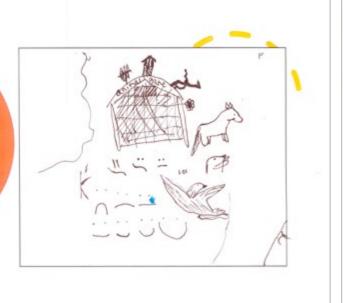


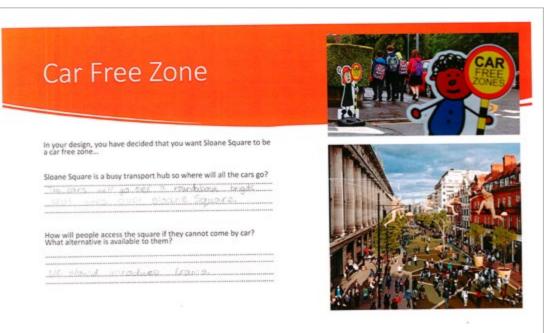


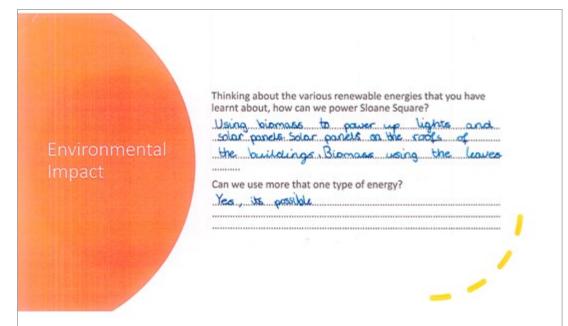


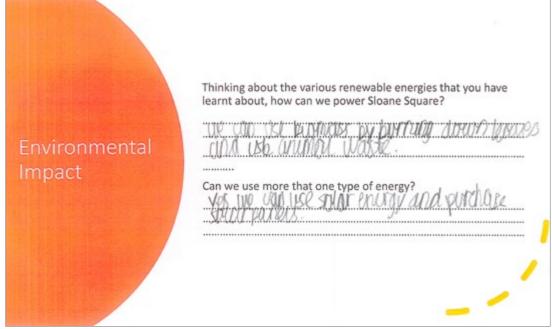


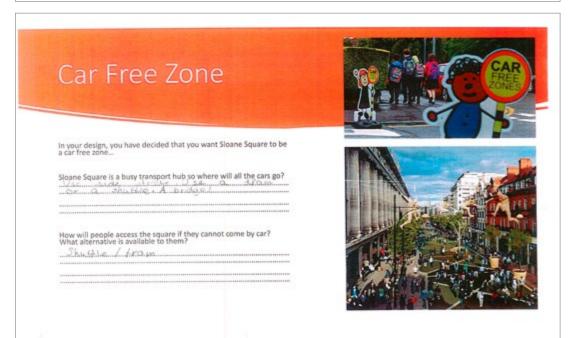












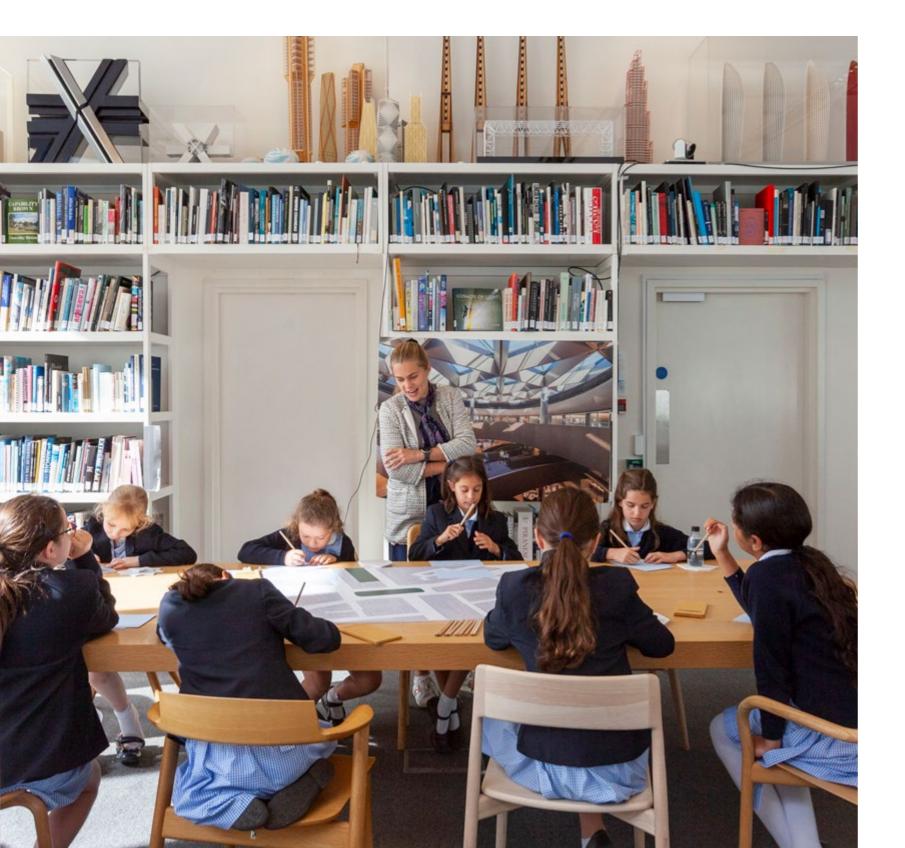


Following on from the geography lessons, the children looked at how they could incorporate the use of renewable energies into their designs for their 'Celebration City'. Based on the children's design ideas, Sloane Square was divided up into six different zones – Fairy Gate, Dancing Gate, Adventure Gate, Animal Gate, Fountain Gate and Green Gate – and the children were challenged to think about how each of their zones could be powered using renewable energy.



Learnings and reflections







What a wonderful ride it's been. This project has encouraged the children to think big and bold, and yet at the same time focus on others and their many individual needs to bring their local neighbourhood to life in quite a spectacular way. It has also given them the opportunity to work collaboratively and allowed them to dream about what the future of their city could be.

The children have been able to draw from their many experiences as well as core curricular links to create something that really celebrates community and all the things that are important to them, both individually and collectively. What has been particularly great about this project is that every single child in Year 5 has made a valued contribution to the design of Sloane Square, and they all feel a real sense of ownership over the finished work.

They have had the chance to explore and develop skills within a large range of disciplines – generating initial ideas, deconstructing buildings into shapes, sketching, planning, making models. All this has really opened their eyes and their minds to a future of possibilities and lifelong interests. Seeing their initial ideas and concepts transform into a final model has been such a unique experience, and it has also empowered the children to think 'I can make a difference'.

We have immensely enjoyed this wonderfully rich and thoroughly engaging learning experience. Children bring

a positive energy and enthusiasm to create a better, cleaner future in such abundance that even when a project seems overwhelmingly complex, it is achievable when we all work together!

We have been delighted and feel so privileged to be given the opportunity to work with and learn from the team at Foster + Partners. They have been invaluable in helping to steer the project and deliver outstanding sessions and workshops! A big thank you to them from all of us at Francis Holland!

Ninette Van Kamp

Teacher of Art (Junior School)







Opposite and above: Photos captured throughout the project.

Can granny come here?

No, she can't walk much. What could we add? Maybe some travel things like you have at airports.

So what is a model?

It's a small version of the buildings that architects design.

If you removed all the buses and cars from Trafalgar square, what would happen to them?

They will have to go around from a different route.

Ohhhhhhh!

Look what's under the bench.

There is air coming out.

What is it for?

I think there in another floor underneath, maybe like a basement? Maybe there is a parking lot in the basement.

This area
(area around
Albion) is not
fun, there
is no play
area, but I
can ride my
scooter here.

What could we add?

Maybe a soft
play area? Maybe
some fountains
and splash areas.
I like fountains.

This my reptile centre and shop. People will come here to have fun, but also for 'educational' purposes.

To learn about animals.

For the environment we have put lots of green and water.

It has lots
of lamp
posts too! We
don't need
those in the
daytime. But
we do need
them when

its dark.

Sloane square is not Green, it just has some trees. Lan we make it green like this?

Let's keep Colbert Café. Its great! We go there every Saturday. I want to keep it.

I want the floor to be mosaic and colourful. It can be magical with a magical tree.

I want a roof top restaurant.

I want the roofs to be green too.

Let's hide amenities underground.

We wanted Sloane Square to be less urban! Maybe a soft play area?
Maybe some fountains and splash areas. I like fountains

I think the station can stay. All the tunnels are underground anjulay. They wont ruin my design.

Can we have some vines that grow on the walls?

Everything here is eco-friendly, and we recycle everything.

This is HORSE crossing, and this is Human crossing!



Final Model

















OPEN CITY Foster + Partners