

Architecture Workshop

Irish Architecture Foundation



The aim of this workshop is to give students who have an interest in a career in architecture a better understanding of the world of architecture and what the job itself entails.

Leading the workshop was architect Eoin Mac Giolla Rua, who presented the theme for 2023, Spaces for Learning.

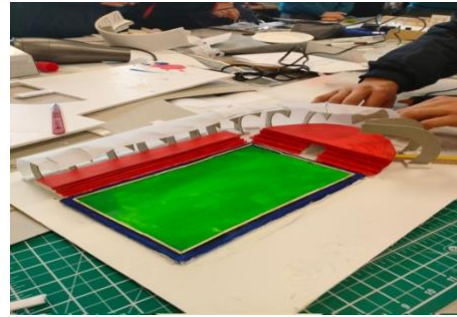
This workshop took place over two separate days, Monday the 27th February 2023 and Monday the 13th March 2023. It was held in classroom B40, start time 8:55. The teachers involved in the project were: Sinead Kiely, Adah Lynch, Tom Pittam, Patrick O'Mahony and Seamus Kennefick.

Starting off the workshop, Eoin gave the class a brief introduction to architecture, what skills are required and how to get started. Before getting into the main part of the project we did a quick exercise, the specs required that each of the four teams work together to design and build a structure capable of holding a single marshmallow as high as possible. At first this sounded easy, however the caveat was that we were limited to **20 pieces of spaghetti**, **about 3 feet of twine** and a set amount of masking tape graciously picked by the teachers.

When we returned after lunch we started on the main project, we left the classroom to walk around the school grounds and took notes on what things were pointless, what needed to be implemented and what parts were just dead space. After a very cruel analysis of the school we got to work on redesigning the grounds to be more social, keeping the theme in mind.

We presented our ideas after the second break and got to work on a model of the school made of foam board at a 1 to 200 scale. We worked on these models up to the end of the day and that brought us to the end of day one.

On the second day of the workshop we finished the model of our school so we could finally start modeling all the changes we had come up with. We started off by making them all 1:200 scale yet later we remade our group's addition in 1:100 scale.



All the groups were working on different parts of modifications to our school. Our group worked on the area outside the main entrance and a grass area on the way down from it, another group worked on a long walkway by the basketball courts, another worked on a new, bigger, gym with better equipment and the final group worked on changing the roof of the C block into a functional seating area.

As the day was coming to an end the different projects were too. We all managed to put our additions onto a big card and finally assemble all our changes together and take a few pictures. Overall I think everyone participating enjoyed it a lot and are looking forward to the results.

- Article written by Peter Frost

CanSAT team 'Candromeda'

On Saturday 11th March the GCC CanSAT team "Candromeda" took part in the Cork region CanSAT competition at MTU. Here the team competed with other schools to



completed were to have your can send information on pressure and temperature back to your laptop as the

win the regional final and progress to the national final. Tasks that needed to be



can was raised and lowered into the sky on a drone. In addition the GCC can was measuring Carbon Monoxide levels in the air. Following this the team then had to analyse data and present their findings and answer questions in front of a panel of three judges.

Following a very successful day the GCC CanSAT team won the Regional Final which is a great achievement and will progress now to the national final in Portlaoise on the 4th and 5th of May where they will compete against other regional winners with the winner progressing to the European Final. The judges were particularly impressed with the GCC teams cansat, arduino knowledge, overall technical knowledge, teamwork skills and their outreach work in promoting CanSAT in the school. The team will now be working hard to improve their can for the National Final and will continue to gain invaluable STEM skills.

Congratulations to the CanSAT team of TY students, Alan Browne, Adam Hayes, Rian Leahy, Nathan Manley, Aisling O'Sullivan and Toby Tangney on their success so far.

GCC represented at the All Ireland Schools Cross Country Championships



On Saturday 11th of March, 2nd year student Luke Merrigan (Rang Barra) traveled to Carriganore, Co. Waterford, to compete in the All Ireland Schools Cross Country Championships. He represented GCC in the Junior Boys category, and ran a 3500m course. Conditions were brutal for all involved with very muddy and sloppy ground. This made an already challenging and hilly, winding three-lap course, even more testing. Luke was having a great run and was holding his own in the top 20, before he took a nasty fall on the last lap but got up and kept running to

finish 36th place out of 88. A fantastic result given the circumstances. This was a very brave performance showing great determination, bravery, and strength of character. He should be very proud of himself for demonstrating such resilience at such a young age. We are all very proud of him here in GCC. Well done Luke!

Soccer Honours for GCC students



GCC Students Darragh Barrett, Jack Marah, Harry Browne, Ruairí Jeffers and Jack Morley who were all part of the Cork schoolboys league U16 squad who won the SFAI Munster Tournament. Darragh scored 1 goal in a 3-1 victory over Clare. Cork now face Athlone in the Quarter Final.

First Year Girls Basketball

Congratulations to our first year Girls' Basketball team, who won their quarter-final in overtime against Coláiste na Toirbhirte Bandon. Well done to all the team for their great commitment and to Abbie Geaney for scoring the winning shot.



2nd Year Rang Oisin Trip to Stryker plant Carrigtwohill

During Ms. Reeves' Geography class we were learning about manufacturing and one of the students of the class had a contact in the factory and offered to take us on a tour of the Stryker factory.

Arrangements were made and we went on the tour on the

13th March. We prepared booklets for the students with questions for the tour guides.

We got the bus at 9:00am and it took us around 25 minutes to get there. They took us to a conference room. The head tour guide had a presentation prepared for us about what we would be doing for the day and some extra facts about 3D printing. Some of our questions were answered through this power point.

We found out that there are roughly 400 workers in the factory building that we visited. They chose Cork to set up the factory as it's a highly educated area. They showed us samples of their 3D printing. We split up into 3 groups and 3 past pupils: Niamh Downey, Sarah O'Brien and Luke Byrne and a teacher took each group to different parts of the factory. We went to where all the 3D printers are operated. We went to the canteen and got complimentary food.

We then went back to the conference room and all got SWAG bags with goodies inside. All of our questions were then answered by the end. We gave them a thank you card and chocolates and thanked them for the tour. We got the bus back to school and we finished our day there. It was so good to see a real factory in operation. We had to finish Geography exam questions on Manufacturing industry for homework.

-Written by Alex O' Sullivan, Cormac Fennessy and Adam Naughton

Active Retirement Glanmire



Tuesday 7th March brought a close to our meetings with the members of the Active Retirement club. 26 TY students entertained the club members through music, song, appreciation of art, wood and metal work projects. Together teams were formed for a table quiz, followed by a game of bingo. To bring the session to a close, we enjoyed tea, scones and fruit skewers, thanks to our Home Ec department.

Our TY students met with club members monthly since September, enjoying various activities together and chatted about all things. Here is a snap shot of the day, the pictures speak for themselves. Thanks to the members of the club for making us feel so welcome, and to all our TY students who volunteered to participate in the Active Retirement club. Well done to all involved.

