

comprehensive Computer Science education due to their overloaded curriculums. Teachers often lack the time for creative projects or exploring advanced fundamental concepts.

Many schools face challenges in offering

This year we are not only offering a gaming boot camp, but introducing an Accelerated Computer Science Fundamentals course that addresses this gap, providing expert-led lessons in 3D modelling, C++ programming and, of course, gaming.

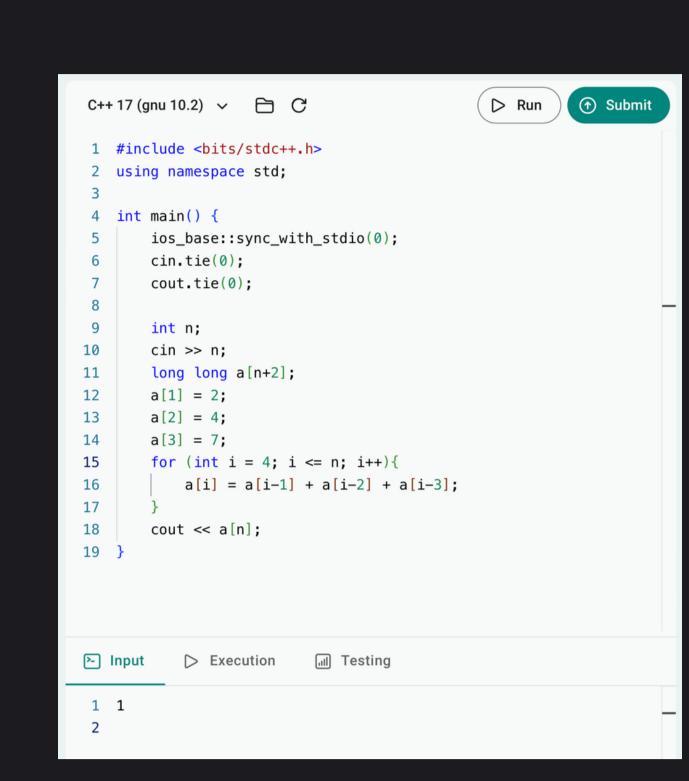


About the Course

the limit!

A course packed with kids' favourites!

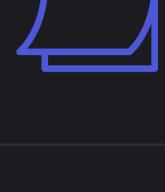
Each day, we'll embark on an exciting journey into the world of 3D modeling in Tinkercad, crafting increasingly complex models to enhance spatial awareness and deepen our understanding of the global construction of 3D models.



After our creative 3D sessions, we seamlessly dive into mastering logic-based challenges through programming. Exploring fundamental algorithmic structures, we solve intricate problems and learn to submit solutions to an online judgment system, frequently used in competitive programming contests. Afterwards, we will have our own friendly competition to help deepen understanding and challenge our students to push their newfound skills to

To round off each day, a **gaming session** awaits the students. Guided by our coaches, these sessions will touch on the day's previous tasks while focusing on teamwork, leadership, communication, critical thinking, and more!





Course Schedule

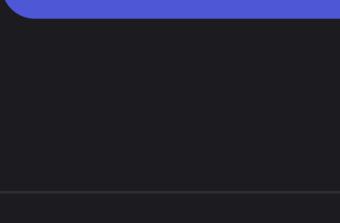
	<b>Session 1: 3D Modelling</b> 09:30 - 11:00	<b>Session 2: Coding</b> 11:15 - 12:45	<b>Session 3: Gaming</b> 13:30 - 15:00
Day One	Introduction to Tinkercad  Introduction to the interface, controls, basic shapes and tools.	Input and Output, Arithmetic Operations  Hello World classics, introduction to an online judgement system (automated testing system).	Fortnite Basics  Guess the skin Squad Builds Drops
Day Two	Shape Transformation  Learn techniques for combining and subtracting shapes, work with alignment tools.	Data Types, Variables, Logic Problem Solving  Understand C++ data types, variable declaration, and solve logic problems.	Building and Box fights  Building Workshop  Box fight 1v1's
Day Three	Creating Repetitive Patterns  Tools for copying and duplicating objects, secrets of creating complex shapes simply.	Conditional Statements, Boolean Data Type, Logical Operations  Master if-else statements for solving math problems with multiple branches of solutions.	Team Tactics and Game Analysis  Red Vs Blue Battle Island Gameplay reviews
Day Four	Work with References  Deconstructing Images: learn how to break shapes into components.	Loops with Counters, Loops with Conditions  Explore for and while loops, apply them to create mathematical sequences.	Advanced Team Tactics  Learning and exploring two-player test cases such as "Fireboy & Watergirl" Learning how to 2v2 with teammates
Day Five	Individual Project Work  Developing your own model from start to finish.	Problem-solving Competition  Engage in a competition solving problems encountered in previous lessons, fostering skill and speed.	Tournament and Pro Workshop  1v1 Tournament with prizes Pro Player Meet and Greet and Q and A

### **Understanding fundamental Developing the ability to apply** learning the foundations of algorithmic structures, laying a coding knowledge to solve digital art and animation. solid foundation for the mathematical problems and **Algorithms and Data** enhance logical thinking.

Learning Outcomes

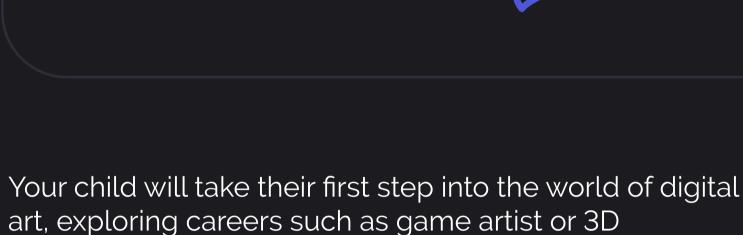
Structures.

**Experience gaming as an Obtain official Play New Meta** avenue to foster the **Academy diploma and** course transcript. development of cognitive skills, social abilities, and



collaborative teamwork.





3D Modeling

children use programs suited to their age. Through our Tinkercad course, your child will learn the basics of constructing 3D figures, working with vertices and edges, and utilizing all the tools available in the program. Upon completing this course, we offer advanced courses in programs like SketchUp and Blender.

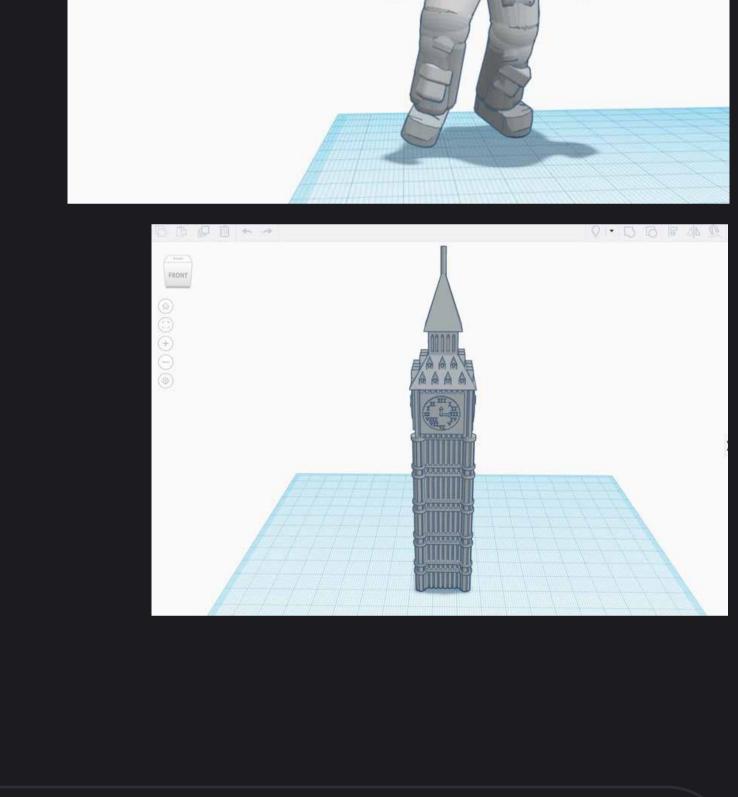
animator—perfect for those who love combining

technology and creativity. No drawing skills are required.

We will teach them how to work with references and

We believe that the best results are achieved when

break down complex shapes into simple components.



cout << a\*b + b\*c + a\*c;

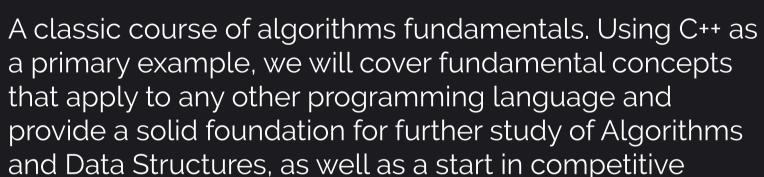
▶ Input ▷ Execution ☑ Testing

return 0:

13 14

1 3 4 2

P (2)



## C++ 20 (gnu 10.2) V 1 #include <bits/stdc++.h> 2 using namespace std: ios\_base::sync\_with\_stdio(0); cin.tie(0); cout.tie(0); programming. Solving logical problems through Vlad wants to take for lunch a couple of fruits. He has a different bananas, b different apples and c different pears. In how many int a,b,c; ways can he choose 2 different fruits from available? programming methods is exactly what your child needs if cin >> a >> b >> c:

not exceed 106.

Output

Examples

3 4 2

Answer #1

Three non-negative integers are given: a,b and c. All integers do

Print the number of ways to choose 2 different fruits for a lunch.

C++ Fundamentals

increasing levels of difficulty, which they will solve under the attentive supervision of the instructor. We will learn how to use online judgement systems to submit solutions, to ensure the process is fast and continues to be entertaining.

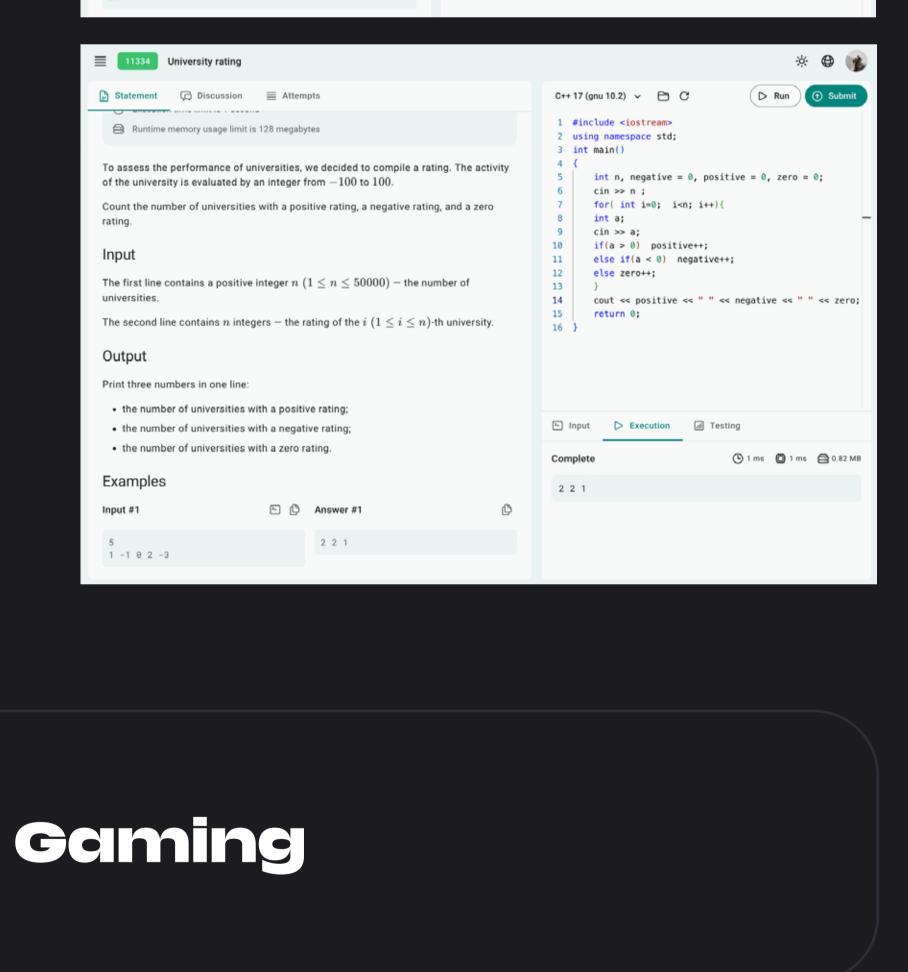
they aspire to work at major tech companies like Google

Each session will begin with a brief lecture on a new topic,

followed by an analysis of several typical problems. After

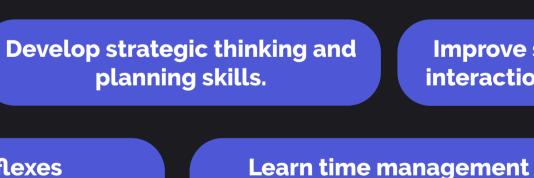
this, students will receive 5-7 tasks on the topic, with

(or pass A-levels).



Promote analytical skills and

problem-solving abilities.



**Enhance reflexes** 

and coordination.

# In our camp, your child will: Improve social skills through interaction with other players.

Our summer camp also aims to help develop

the gaming skills of our students. With a

Fortnite tournament at the end of the week,

students will visually see their own personal

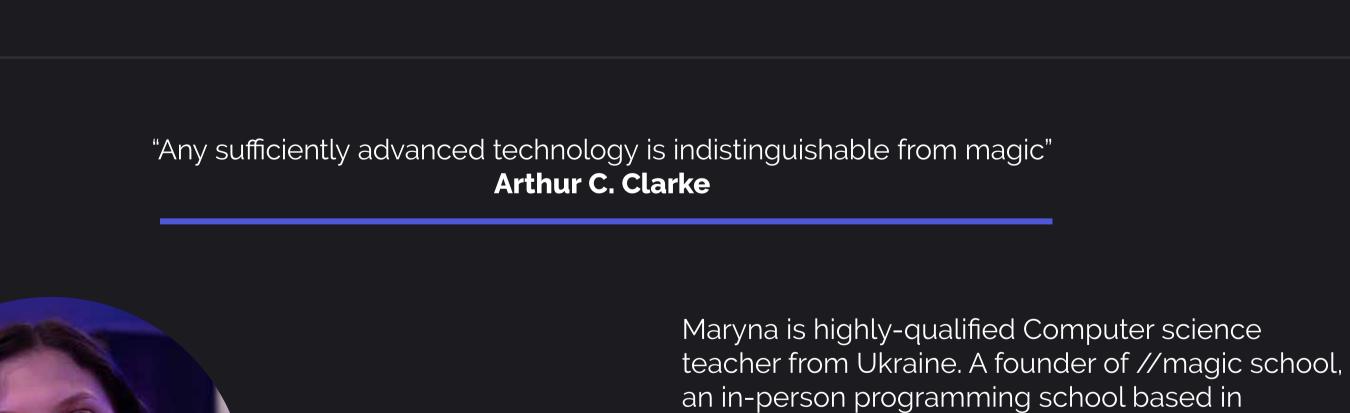
improvements as well as compete against

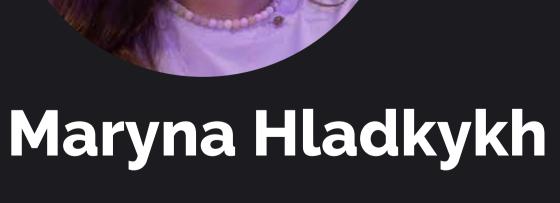
others and share what they have learned.

and prioritization.

All through the medium of video games!







Course Outcomes

Kharkiv, Ukraine. Maryna has spent the last 10

level, she specializes in preparing students to

compete in both national and international

been effectively integrated into nationally

competitions, including IOI and ICPC.

Master's in Secondary Education

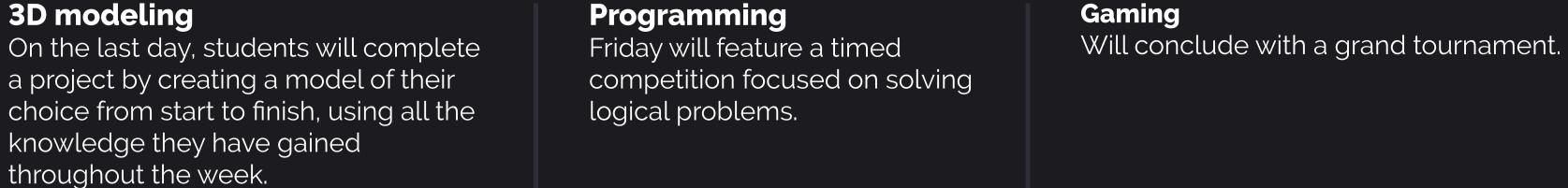
years teaching kids programming at the highest

Maryna is the author of a proprietary educational

top-ranked public and private schools in Ukraine.

Maryna is a Bachelor in Computer Science with

methodology in Computer Science, which has



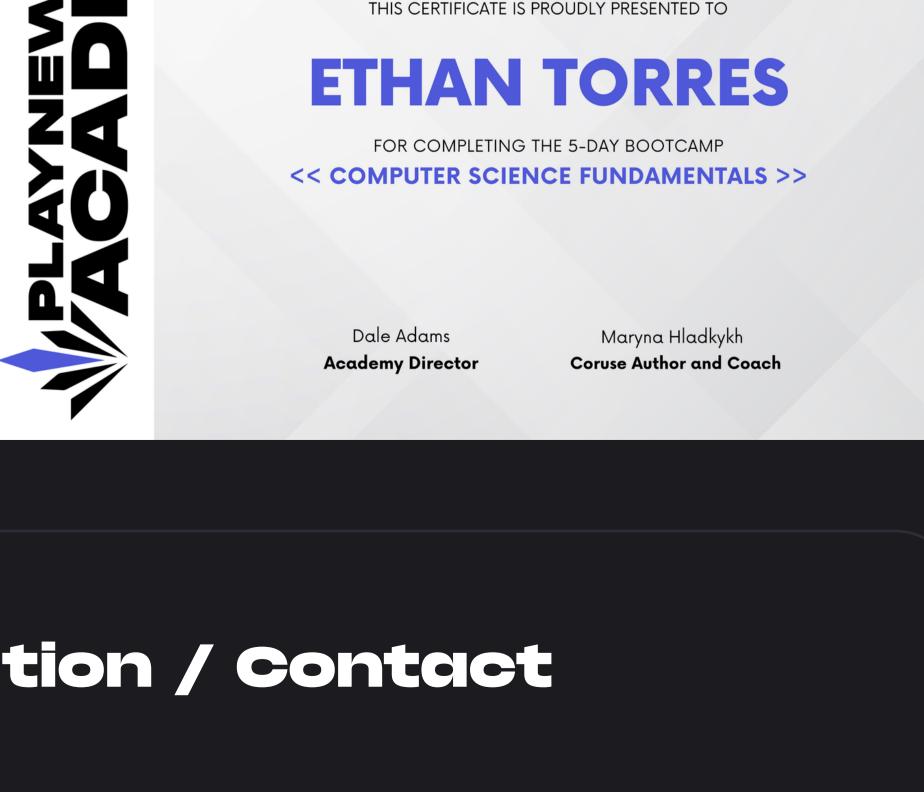
At the end of the course, we will have a final stage for each topic.

At the conclusion, your child will receive an official New Meta Academy diploma and course transcript outlining the skills they

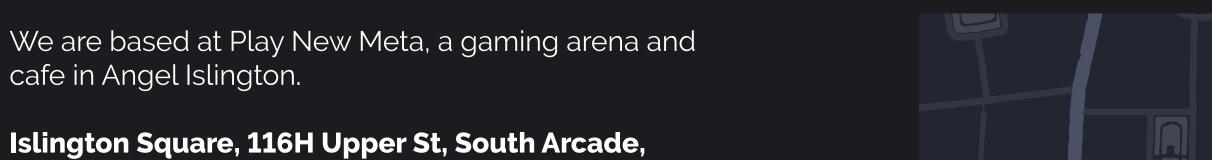
learned during the week. Rest assured, even if your child has only participated for a few days and has not completed the entire course, they will be awarded an 'Introduction to Computer

Science fundamentals' diploma. This will

be supported by a detailed report of the hours they have successfully completed during their involvement.



CERTIFICATE



cafe in Angel Islington.

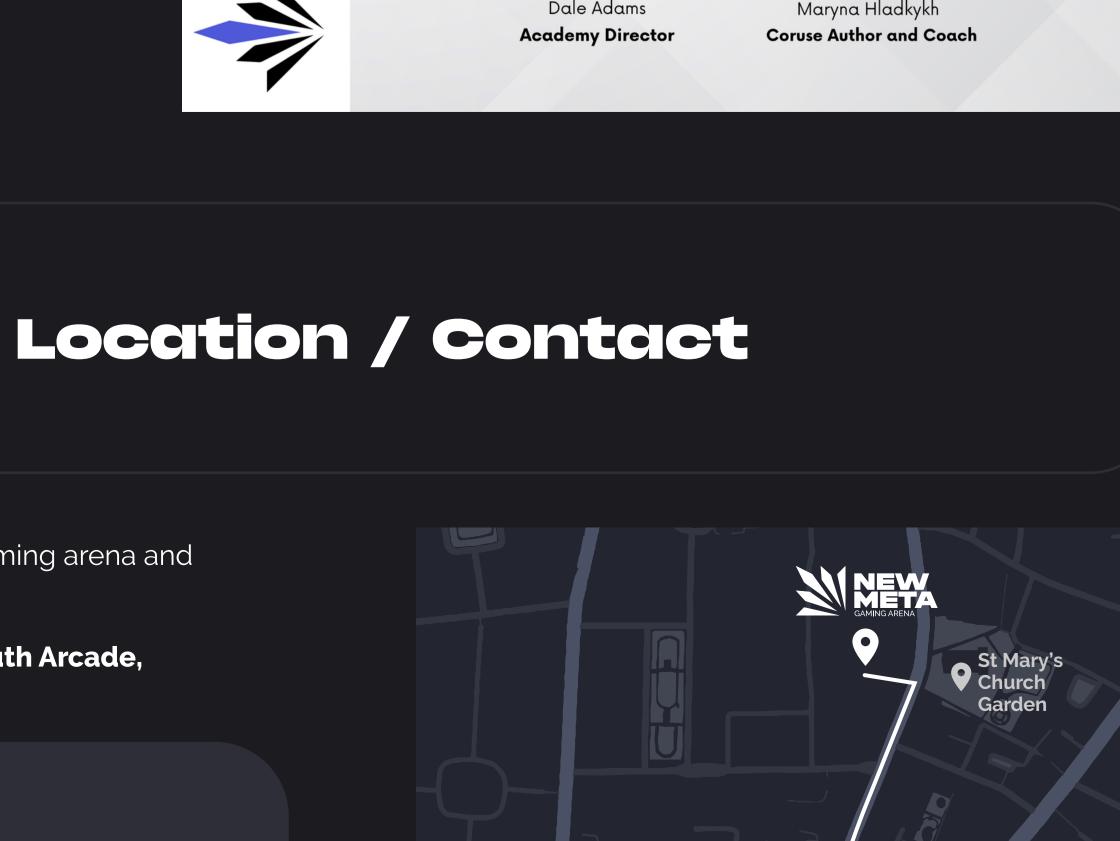
**London N1 1QP** 

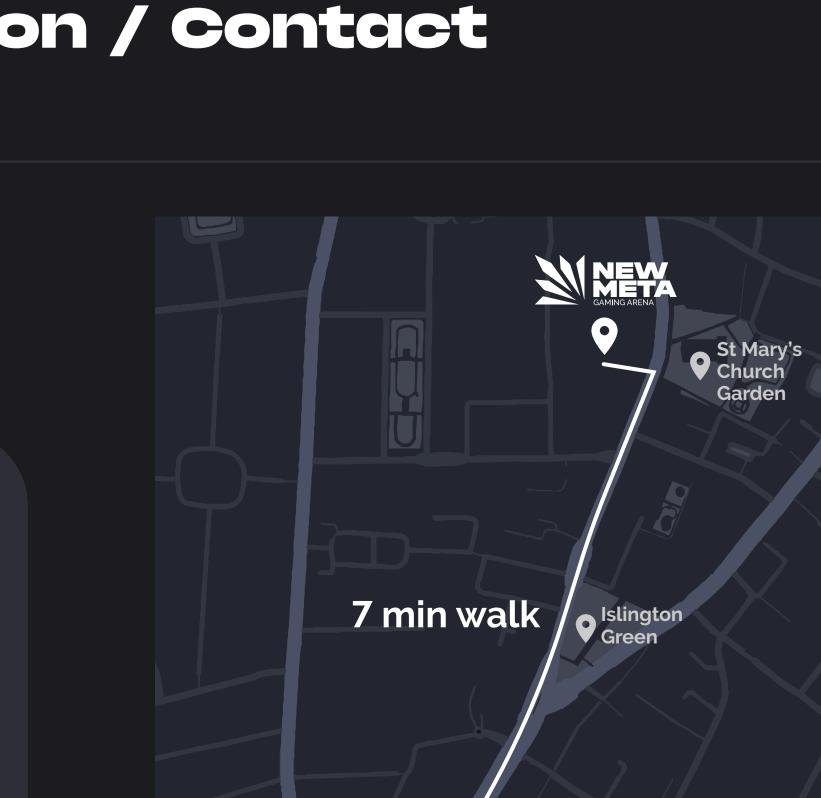
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academy.playnewmeta.gg/summer\_camps





ANGEL STATION