

**ACADECODERS SUMMER 2021 (AGES 8+)**

AcadeCoders is a coding and robotics camp focused on introducing campers to various technological disciplines while also ensuring they enjoy physical activities outdoors and through jiu-jitsu classes.

There will be a total of 8 weeks, each with its own major focus and learning goals. The maximum session size is 12 due to the number of available desktops and other materials. If a session is full, depending on the weekly theme, you may still register; however, you must provide your own laptop. Each session is adaptable for different age groups.

Each week will have a final project that the campers can take home. Each camper will be required to have a USB stick for these projects.

**Week 1: June 21 – June 25 2D TO 3D**

**CREATE A 3D MODEL:** Description/Main Activity: AcadeCoders will use the program tinkercad to create a 3D model. They will use their imagination and creativity to create a 3D model. At first, they will learn and understand the basics of 3D modelling concepts such as extruding surfaces, combining shapes with negative shapes to edit objects to create a 3D work of art.

***Learning Goals:*** At the end of the week, AcadeCoders will be able to understand and apply the basics of 3D modelling concepts. Final Product: 3D .stl file which can be 3D printed at home.

**Week 2: June 28 – July 2 (4 days) GAME MASTER**

**CREATE A GAME YOUR OWN 3D MODEL:** AcadeCoders will take their own pre built 3D models and take it to the next level. The model will be used in building a game using the GoDot software. The campers will also learn the core fundamentals of game design.

***Learning Goals:*** At the end of the week, AcadeCoders will be able to implement a 3D model into a project.

Final Product: Electronic game.

**Week 3: July 5 – July 9 WHO’S THE DIRECTOR?**

**CREATE AN ANIMATION MOVIE:** AcadeCoders will be able to make a short-animated movie using the ANimaker application. The campers will be introduced to some of the vocabulary and specialized terms used in the animation and filmmaking industry. They will understand the basic concepts of what animation is and the workflow of creating animation.

***Learning Goals:*** At the end of week, AcadeCoders will understand the basics of creating animation and apply it to create a short animation movie. Final Product: Animation movie

**Week 4: July 12 – July 16 WEB DESIGN 101**

**Create and design your own website:** AcadeCoders will learn the basic skills needed to create and design a website. They will start by learning how to design a custom plan and layout for a website.

***Learning Goals:*** At the end of the week, AcadeCoders will understand how to structure a website with clear layout.

Final Product: Initial version of a website.

**Week 5: July 19 – July 23 WEBSITE CUSTOMIZATION-LIKE A PRO**

**customize your website like a pro:** AcadeCoders will use their knowledge and skills to design their own customized website. Each website will be locally hosted on the computers.

***Learning Goals:*** At the end of the week, AcadeCoders will be able to apply their knowledge of HTML to build their own website. Final Product: Customized Website.

**Week 6: July 26 – July 30 ARE YOU A SPY?**

**pythion encription week:** AcadeCoders will write a source code for a program to decrypt and encrypt messages. Campers will first learn the basics of programming using Python language and will use that knowledge to write secret messages.

***Learning Goals:*** At the end of the week, AcadeCoders will be able to apply the basic commands of python programming language and also use the condition statement “if”. Final Product: Program that creates secret messages

**Week 7: August 3 – August 6 (4 days) MATH GENIUS**

**python math week:** Acadecoders will create their own calculators. The campers will first extend their knowledge of Python programming language, and then combine it with their math skills to program a calculator. Other than performing the four basic operations, the calculators will also tell if a number is even or odd, test divisibility rules and much more.

***Learning Goals:*** At the end of the week, AcadeCoders will be able to combine their knowledge in math and Python programming language to create advanced programs. Final Product: Calculator with extra functions.

**Week 8: August 10 – August 14DO YOU WANT TO PLAY**

**python game week:** AcadeCoders will use the Python programming language to create an electronic version of childhood games Such as Hangman, Tic-Tac-Toe, snake and ladders and many more. Campers will start by writing a code to roll a dice, and finish by writing a code for an actual game.

***Learning Goals:*** At the end of the week, AcadeCoders will extend their knowledge of Python programming language commands, and use the loop functions. Final Product: Electronic games.

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| **2021 SUMMER READING & WRITING PROGRAMME: Systematic Multisensory Intensive Literacy Education (SMILE)**For students with reading and writing difficulties, we offer SMILE, Orton Gillingham-based multisensory teaching sessions), in addition to the activities provided during our AcadeCamp or AcadeCoders sessions. The OG multisensory teaching sessions will be offered for 1 hour, 5 times a week (4 times a week during holiday weeks), and the participant must register for at least 4 weeks, or preferably all summer, in order for the programme to be effective. If a student has not been evaluated previously, pre- and post- testing will be provided. With the Orton Gillingham approach, a student learns using the visual, auditory, kinesthetic, and tactile senses simultaneously.  The OG multisensory teaching sessions will take place within the 9:00 am – 4:00 pm camp day. |

**Additional Information**

**Camp Hours:** 9:00 am – 4:00 pm

**Pre & Post Camp Care:** 8:00 am – 9:00 am; 4:30 pm – 5:30 pm

**Lunch Program:**  Includes 2x pizza on Mondays (on 5-day weeks), hot lunch with dessert & fruit Tuesdays – Fridays

**Contact Information:** Email us at info@acadecap.org or call 613-721-3872

**AcadeCoders FAQ:** What do I pack? What is the daily schedule? For more information, please visit the AcadeCoders FAQ page at <http://www.acadecap.org/frequently-asked-questions-acadecoders/>

 

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| **Registration Form: Selection of Weeks**

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| [ ]  **1**: June 22 – June 26 | 2D TO 3D |
| [ ]  **2**: June 29 – July 3 (4 days) | GAME MASTER |
| [ ]  **3**: July 6 – July 10 | WHO’S THE DIRECTOR? |
| [ ]  **4**: July 13 – July 17 | WEB DESIGN 101 |
| [ ]  **5**: July 20 – July 24 | WEBSITE CUSTOMIZATION-LIKE A PRO |
| [ ]  **6**: July 27 – July 31 | ARE YOU A SPY? |
| [ ]  **7**: August 4 – August 7 (4 days) | MATH GENIUS |
| [ ]  **8**: August 10 – August 14 | DO YOU WANT TO PLAY |
| [ ]  **Summer SLT (4 weeks)** | Please indicate week numbers: ex. 1,2,3,4 |

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| **Fees:** |  | **$370** per 5 day week **$296** per 4 day week (holiday week) |
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| **Discounted rate for all 8 weeks** |  | **$ 2512.00** |
| **Discounted additional week rate: (5 days)**  |   | **$ 353.00** |
|  **(4 days)**  |   | **$ 281.00** |
| **Summer OG Multisensory Teaching Option: 4 weeks, 1 hour sessions daily** | **$ 990.00** |

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| **First week: 5-day week or 4-day week** | **1X** |  | **$** \_\_\_\_\_\_\_\_ |
| **Additional 4-day week:**  | #**X** |  | **$**\_\_\_\_\_\_\_\_ |
| **Additional 5-day weeks:**  | #**X** |  | **$**\_\_\_\_\_\_\_\_ |
| **OG Multisensory Teaching Option (4 weeks)** | #**X** |  | **$**\_\_\_\_\_\_\_\_ |
| **Subtotal Session Fees:**  |  |  | **$**\_\_\_\_\_\_\_\_ |
|  |  |  |  |
| **Pre and Post Camp Care:** $30/ 5-day week  | #**X** |  | **$**\_\_\_\_\_\_\_\_ |
|  $24/ 4-day week  | #**X** |  | **$**\_\_\_\_\_\_\_\_ |
| **Subtotal Supervision Fees:** |  |  | **$**\_\_\_\_\_\_\_\_ |
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| **Lunch Program:** $60/ 5-day week (incl. 2x Pizza) | #**X** |  | **$**\_\_\_\_\_\_\_\_ |
| $50/ 4-day week | #**X** |  | **$**\_\_\_\_\_\_\_\_ |
| **Pizza (Mondays Only):** $5/slice | #**X** |  | **$**\_\_\_\_\_\_\_\_ |
| **Subtotal Meal Fees:** |  |  | **$**\_\_\_\_\_\_\_\_ |
|  |  |  |  |
| **TOTAL FEES:** |  |  | **$**\_\_\_\_\_\_\_\_ |

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| Child’s Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Sex: [ ]  M / [ ]  F |
| DOB: YYYY/MM/DD | Current Grade: \_\_ | Age:\_\_ | Health Card#: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Parent’s/Guardian’s Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Postal Code: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Tel-Home: (XXX) XXX-XXXX | Work: (XXX) XXX-XXXX | Cell: (XXX) XXX-XXXX |
| Emergency Contacts: | Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Tel: (XXX) XXX-XXXX |
| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Tel: (XXX) XXX-XXXX |
| Special concerns, needs, health, allergies, behavioural etc.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

 | **Media Consent**There are times we photograph or videotape the children participating in camp activities. We will publish some of these pictures (i.e.: newsletters, websites, Facebook, twitter, brochures, newspaper ads, etc.), without naming individual campers. Académie de la Capitale/École internationale Acadecap International School is requesting permission to use photos/videos of your child. Please note that remuneration will not be given for the use of photos/videos.I give Académie de la Capitale/École internationale Acadecap International School permission to publish pictures of my childSignature of Parent/Guardian Initial or SignDate YYYY/MM/DD |
| **Waiver**I hereby release and forever discharge Académie de la Capitale/École internationale Acadecap International School, its directors, its employees, agents and all persons authorized by it from any claim, damages, action or cause of action or otherwise that may result from either personal injury or property damage suffered by the said child engaging in school activities including field trips provided, however, that the school and its employees and agents exercise reasonable care.I hereby authorize the administrators, staff and/or excursion supervisor(s) to act on my behalf as my agent(s) to engage medical attention or hospitalization if required on an emergency basis.Signature of Parent/Guardian Initial or SignDate YYYY/MM/DD |
| **Finances****Please make cheques to AcadeCap International School ASAP to ensure a spot as our camps fill up quickly.****Payment by Interac e-Transfer:** **finance@acadecap.org**(Please indicate child’s name in description and provide password in separate email.)**Please note there are no refunds.** |