

# The Super Saturday Program

## Fall Term Class List

### 2022





**Online registration is preferred at:**

<https://www.supersaturday.org/our-program/online-registration/>

Sign-up for both classes and the Teen Leader Program is online.



## The Details:

Registration:

9/4/2022 - 9/24/22

Late Registration:

9/25/22 - 10/1/2022

Session Dates:

10/15/22 - 11/19/22

\*No class make-up date\*

Morning Session: 9:30-11:30

Afternoon Session: 12:30-2:30

## FAQs:

- Tuition will be \$80/class/term, paid directly to The Super Saturday Program.
- Lab fees are for class supply expenses and should be paid directly to the teacher on the first day of class.
- Students are welcome to bring their own personal water bottles to campus; no other beverages are allowed in classrooms.

See website for more questions or email:  
[messagecenter@supersaturday.org](mailto:messagecenter@supersaturday.org)

## We Have Relocated!

All Fall Semester classes will be at our new location:

**DePaul Cristo Ray High School**  
1133 Clifton Hills Ave  
Cincinnati, OH 45220





# Morning Classes:

## 9:30-11:30

### Scientific Mayhem

Instructor: Lisa Bacu

Activity Level: 2

(#32201) Lab Fee: \$20

Let's have some fun with science! We will explore, build, test, and mix all kinds of things. How tall can I build this tower? What will happen if I mix these two things? What does this look like on the inside? How does this work? Join us and discover something new!



**Ages: 4-6**



### Cool Chemistry II

Instructor: Barbara James

Activity Level: 3

(#32204) Lab Fee: \$40

Measure, mix, swirl and pour into the world of chemistry as we explore reactions that make volcanoes, density bottles, color, slime and much more. Explore with us in this fun, hands-on class.

**Ages: 7-10**

### It IS Rocket Science!

Instructor: Ryan Cheng

Activity Level: 2

(#32205) Lab Fee: \$50

Interested in high-speed rockets? How fins are used to control direction, stabilize, and angle the launch? Join us to build and keep three model rockets. Experiment with center of mass, discuss principles of flight stability and drag. Learn how to be safe, prepare for launch, and insert engines and parachutes. **\*\*NOTE:**

**Rocket launch on 11/19 & 11/20 at Hisey Park (12/10 & 12/11 rain dates)\*\***



**Ages: 8-11**

### Get Sparked with ART

Instructor: Priscilla Oehlschlaeger

Activity Level: 1

(#32202) Lab Fee: \$30

Make a treasure tin, blend colors, make puppets, create a bottle buddy, design a costume, and more. Explore the basic wonders of creating art and join us as we get sparked with art!

**Ages: 4-7**

### Chess (Little Knights)

Instructor: Kevin Coleman

Activity Level: 4

(#32203) Lab Fee: \$25

Ever want to skewer your opponent? Learn to win at chess -- starting with the basics: how to set up the board, move the pieces and learn what they are worth, checkmate, stalemate, and 'en passant'. Progress into pins, forks and skewers, then finish with basic openings, strategies and tactics.

Students will each take home a chess set.

**Ages: 5-9**



### LEGO Mindstorms Robotics!

Instructor: Janet Bockey

Activity Level: 1

(#32206) Lab Fee: \$60

LEGO enthusiasts will have a blast learning to design and build robots using LEGO Mindstorms NXT and EV3. Students will work in pairs to build robots that drive, lift, and interact with obstacles as they master weekly challenges and compete in games! A favorite highlight will be combining all of the skills they've learned to create their ultimate robot for an epic Battling Robot competition!

**Ages: 9-11**

# Morning Classes:

# 9:30-11:30

## The Wizarding World of Harry Potter

Instructor: George Whitaker

Activity Level: 3

(#32207) Lab Fee: \$15

Join this class for an opportunity to live out your wildest wizarding fantasies. Discover what house you belong to, reenact your favorite Hogwarts classes and delve more deeply into the world of Harry Potter than you have before!



Ages: 8-11



## Structural Engineering 101

Instructor: Steven Harm

Activity Level: 4

(#32208)

Lab Fee: \$30

Want to know what keeps the building you're in right now from falling on your head? What keeps the bridge you drive over from falling in the river? In this class we will build small models of structures to discover what makes them stay standing; we'll review computer modeling techniques and learn about what forces and loading a building or bridge can stand up to.

Ages: 9-12



## Stop Motion Animation Extravaganza!

Instructor: Korin Mattei

Activity Level: 3

(#32209) Lab Fee: \$50

Bring your imagination and master stop motion animation fundamentals while making fun videos. We will work with LEGO, clay, and paper while you learn to use basic software and bring your own characters to life! Build your sets, create your backgrounds, sculpt your models and we'll see what you can do in this highly individualized class.

**\*\*Students must bring a tablet or smart phone capable of using Bluetooth and Stop Motion Studio app.\*\***

Ages: 10-14



## Mission Impossible 2

Instructor: Mia Burnett

Activity Level: 1

(#32210) Lab Fee: \$40

Mission possible! Your mission, if you choose to accept it, is to solve problems others deem impossible. Use creative problem-solving techniques and group cooperation to tackle tasks involving physics, forensics, the environment, your senses, service, nutrition, and more.

Ages: 11-14

## Strategy Games of the World

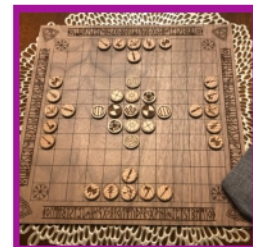
Instructor: Andrew Speno

Activity Level: 2

(#32211) Lab Fee: \$0

Come match wits with classmates in fifteen different strategy games, including Fanarona from Madagascar, Mancala from East Africa, Hnefatafl from Scandinavia/British Isles, Go from China/Japan, and many others invented in more recent times. Each game will take a single class to learn but, if you choose, a lifetime to master.

Ages: 11-14



## Teen Leader Volunteer Program

If you are age 13-17, the Teen Leader Volunteer Program may be your niche. Online registration is required along with filling out an application for the program. Applications and policies can be found at [www.supersaturday.org](http://www.supersaturday.org). Applications are approved each term on a case-by-case basis. Mandatory leadership training will take place the Saturday before the start of term, October 8th.

See website for dates. Interested? Want to know more? Have general questions? Contact the Teen Advocate at [teenadvocate@supersaturday.org](mailto:teenadvocate@supersaturday.org).

*Feeding the educational passions of intellectually gifted children and their parents;  
helping them realize their full potential.*



# Afternoon Classes:

# 12:30-2:30

## Cool Chemistry I

Instructor: Barbara James

Activity Level: 3

(#32251) Lab Fee: \$40

Measure, mix, swirl and pour into the world of chemistry as we explore reactions that make volcanoes, density bottles, color, slime and much more. Explore with us in this fun, hands-on class.

**Ages: 4-6**

## LEGO Mindstorms Robotics!

Instructor: Janet Bockey

Activity Level: 1

(#32252) Lab Fee: \$60

LEGO enthusiasts will have a blast learning to design and build robots using LEGO Mindstorms NXT and EV3. Students will work in pairs to build robots that drive, lift, and interact with obstacles as they master weekly challenges and compete in games! A favorite highlight will be combining all of the skills they've learned to create their ultimate robot for an epic Battling Robot competition!



**Ages: 7-9**

## The Sew-Sew Class. Time to Sew

Instructor: Priscilla Oehlschlaeger

Activity Level: 1

(#32253) Lab Fee: \$30

This class is more than just so-so, it's Sew-Sew!

Design and sew your own purses, headbands, pillows, stuffed animals and accessories based on your own sense of style. We will learn how to sew by hand and with a sewing machine and will explore techniques including hemlines, seam allowances, and buttons.



**Ages: 7-10**

## STEM Time! Can you meet the Challenge?

Instructor: Jessica Hamilton

Activity Level: 1

(#32254) Lab Fee: \$20

Will you accept my challenge? Develop, design, and create beyond what you thought was possible when you build and engineer! Join building and engineering challenges such as pumpkin volcanoes, candy corn catapults, apple wrecking balls, and more!

**Ages: 7-11**

## Mission Impossible 1

Instructor: Mia Burnett

Activity Level: 1

(#32255) Lab Fee: \$40

Mission possible! Your mission, if you choose to accept it, is to solve problems others deem impossible. Use creative problem-solving techniques and group cooperation to tackle tasks involving physics, forensics, the environment, your senses, service, nutrition, and more.

**Ages: 8-10**

## Scratch 101

Instructor: Mousumi Sinha

Activity Level: 4

(#32256) Lab Fee: \$0

Have fun programming and join us in our Scratch world. Scratch is an interactive programming language that teaches kids coding using drag and drop blocks where they can create animation, stories and games. **\*\*NOTE: Students need to bring their own tablet or laptop.\*\***

**Ages: 8-10**



## Be a Cryptologist I

Instructor: Andrew Speno

Activity Level: 2

(#32257) Lab Fee: \$0

Explore the world of cryptology. Verbalize dots and dashes to send messages in Morse code; make your own cipher disk and use it to decrypt secret messages; solve and create route ciphers, pig pen ciphers, anagrams, and rebuses; play group games, including body codes, cipher disk hangman, Wordle, and Online Cryptograms.

**Ages: 8-11**



# Afternoon Classes:

# 12:30-2:30

## Stop Motion Animation Extravaganza!

Instructor: Korin Mattei

Activity Level: 3

(#32258) Lab Fee: \$50

Bring your imagination and master stop motion animation fundamentals while making fun videos. We will work with LEGO, clay, and paper while you learn to use basic software and bring your own characters to life! Build your sets, create your backgrounds, sculpt your models and we'll see what you can do in this highly individualized class.

**\*\*Students**

**must bring a tablet or smart phone capable of using Bluetooth and Stop Motion Studio app.\*\***



## Chess Bootcamp

Instructor: Kevin Coleman

Activity Level: 4

(#32259) Lab Fee: \$25

This class is for chess players who would like to improve their skills and apply those skills to the real world. We will examine famous games and MUCH more. Compete for prizes and a chance to win a 1-year membership to the United States Chess Federation! **\*\*NOTE: Students are expected to know the rules of chess and algebraic chess notation before enrolling into this class\*\***



**Ages: 9-14**

## Multi Stage Model Rockets

Instructor: Ryan Cheng

Activity Level: 2

(#32260) Lab Fee: \$60

You mastered beginner rocketry! Explore multi-stage model rockets that can reach altitudes up to 2000 ft using B, C, D & E engines. How do booster motors differ from upper stage motors? Why is black powder in the top stage? Experiment direct and indirect staging. Build & keep three models. *Prior experienced is required, unless approved by the teacher.* **\*\*NOTE: Rocket launch on 11/19 & 11/20 at Hisey Park (12/10 & 12/11 rain dates). Must purchase own engines & use hobby knives.\*\***

**Ages: 10-14**

**ADVANCED**

## The Wizarding World of Harry Potter II

Instructor: George Whitaker

Activity Level: 3

(#32261) Lab Fee: \$25

Join this class for an opportunity to live out your wildest wizarding fantasies. Discover what house you belong to, reenact your favorite Hogwarts classes and delve more deeply into the world Harry Potter than you have before.

**Ages: 10-14**

**WELCOME BACK**

## Natural Born Scientists - Next Level Chemistry

Instructor: Dr. Ken Brown

Activity Level: 2

(#32262) Lab Fee: \$50

Discover the science of atomic theory, periodic table, elements, compounds, and chemical reactions. Make a model of an atom, dissect a battery for carbon and zinc, build an electrolysis cell to break down water into hydrogen and oxygen, electroplate a penny with nickel and then a nickel coin with copper. Finally, we will make an acid and base indicator using red cabbage.

**Ages: 11-13**

## Computer Programming with Python

Instructor: Aidan Gallagher

Activity Level: 4

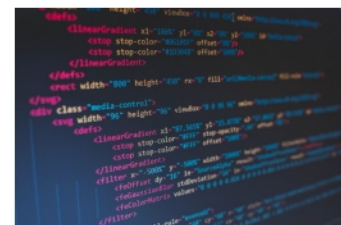
(#32263) Lab Fee: \$5

Python is a powerful programming language used to build apps, neural networks and other forms of artificial intelligence. We will use various data types and variables, lists, functions, loops, arrays and more as we learn Python.

This class is geared toward older students who have an interest in computer programming & coding.

**\*\*NOTE: Students must bring their own laptops\*\***

**Ages: 11-14**



## We Have Relocated!

All Fall Semester classes will be at our new location:

**DePaul Cristo Rey High School**  
1133 Clifton Hills Avenue  
Cincinnati, OH 45220





## REGISTRATION REMINDERS

- ❑ Do NOT include lab fee with registration. Pay lab fees to teacher on first day of class.
- ❑ Registration opens online September 4. Mailed registrations will not be entered until September 4, 2022.
- ❑ Only register your child for one AM class and/or one PM class per session. If you have additional or back-up choices that you would like recognized, please send those via email to [registration@supersaturday.org](mailto:registration@supersaturday.org). Jackrabbit does not prevent you from registering for multiple classes and will automatically charge you for each class registered. So please be cognizant of this.
- ❑ If you would like to pay by check or are applying for financial assistance, register online then mail payment information within 2 days. **If we do not receive payment within 7 days, your student will be moved to a waiting list.**
- ❑ Registrations mailed after September 24 should include non-refundable \$25 late fee (maximum \$50 late fee per family). Returned checks will result in \$20 fee. Checks payable to: **The Super Saturday Program**

Mail to: **The Super Saturday Program**  
**PO Box 43385**  
**Cincinnati, Ohio 45243**

- ❑ Parents must drop off and pick up their children for each morning and each afternoon class. Students may not be dropped off earlier than 10 minutes prior to class. Parents arriving late to pick up should go to the Parent Room. There is no supervision available during lunchtime.
- ❑ Parents who assist in their children's classrooms report much greater appreciation for this program and its classes.
- ❑ Parents who are not assisting in classrooms are encouraged to join in the **Parent Hospitality Room** for conversation and field experts, as a parent or guardian should remain on campus.
- ❑ **Educational events for parents** are presented free of charge on Saturdays and are typically held in the **Parent Hospitality Room**. Past presentations have covered such topics as Parent Effectiveness Training, Literature for Gifted Children, Advocacy, Post-Secondary Education, Home-Schooling and Open Forum Discussions. Confirmation letters and posted signs detail the specific speakers and dates for each

## FINANCIAL AID/GRANTS

A limited number of tuition and lab fee grants are available each term. Please send documentation to [registration@supersaturday.org](mailto:registration@supersaturday.org) or via hard copy mail to the address above. Documentation can be anything that shows your child qualifies for government assistance (i.e. Medicaid, W.I.C., or free/reduced price lunch). Requests to use financial assistance need to be made each term; documentation to qualify is required once per year. Other grant opportunities may be available. Please check our website ([www.supersaturday.org](http://www.supersaturday.org)), or email [messagecenter@supersaturday.org](mailto:messagecenter@supersaturday.org) to find out more about those opportunities.

## HOW TO CHOOSE A CLASS

1. Students should always be involved in class selection. This helps ensure a higher quality class experience for your child, for other children and for the teacher.
2. Age ranges for individual classes are designed to take into account both the intellectual and emotional development of our students as well as to create a manageable classroom for our teachers. We cannot allow exceptions to these ranges. If you are interested in a class being offered for a different age range, please let us know and we can try to meet requests in future terms.
3. If you have questions about the appropriateness of a class for your child, contact us. We can get you more information to make the best choices for your situation. We can arrange class visits during active sessions.
4. Class changes after your registration has been submitted must be discussed with the Registrar or the President. Teachers are not involved in the registration process and cannot approve changes in enrollment.

## ACTIVITY LEVEL KEY

1. *Very active. Students will be moving around for almost the whole class.*
2. *Mostly active. Students will be moving around, or participating in hands-on activities for 60% or more of the class.*
3. *In between. Students will be doing some hands-on activities but will also spend a significant amount of time in sedentary scholarly pursuits.*
4. *Traditional classroom. A "traditional classroom" class where students will engage in sedentary scholarly pursuits.*

***Feeding the educational passions of intellectually gifted children and their parents;  
 helping them realize their full potential.***

## PROFESSIONAL RECOMMENDATION

This section is to be completed by a psychologist, psychiatrist, psychometrist, pediatrician or a school professional (teacher, principal or gifted coordinator). A professional recommendation is needed only by students enrolling for the first time or by those who haven't participated in The Super Saturday Program within the last two years.

I certify that \_\_\_\_\_ meets one of the following criteria:  
(Name of Student)

Check One:

- ☐ Mental ability (I.Q.) of a standard score on a cognitive ability measure equivalent to the 95th (or above) percentile.
- ☐ Achievement test scores in "Total Reading" or "Total Math" at (or above) the 95th percentile.
- ☐ Although test scores are not available or appropriate, this student has shown evidence of outstanding intellectual achievement or potential. (Narrative description must be included below.)

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Name _____	Position _____
Institution _____	Phone # _____
	Email _____

## Volunteering

PAGE and The Super Saturday Program are run by parents who volunteer their time and talents to serve the gifted children of the Cincinnati area. We need your help to keep this program strong! There are many ways, both big and small, that you can help out.

On the first day of class, the teachers will have sign-up lists for parent classroom volunteers. Please be sure to sign up for a week to help your child's class run smoothly during the term. Besides volunteering in your child's classroom, you can volunteer to help on certain Saturdays with site set-up, clean-up, or teacher prep. If you're able to help more, you can take on one of the bigger roles that need to be filled. You can find more information on volunteering and a link to fill out a volunteer survey on our website at [www.supersaturday.org/Our-Program/Volunteering](http://www.supersaturday.org/Our-Program/Volunteering).

As always, please feel free to reach out to our board at [messagecenter@supersaturday.org](mailto:messagecenter@supersaturday.org) with any questions you may have that are not answered on the website.



# Instructor Biographies:

**Lisa Bacu** is the owner of Scientific Mayhem, LLC and has been working with students and teaching science classes for 6+ years. Born and raised in Ohio, she earned her BS in Biology from Muskingum University and her MS in Environmental Science from The Ohio State University. Lisa has worked as an analytical chemist at Battelle Memorial Institute and as an Environmental Scientist with Pfizer, Inc.

**Janet Bockey** a UC grad, joined Super Saturday 8 years ago and has been teaching/coaching LEGO MINDSTORMS classes for 10 years: at after-school programs, scout groups, summer camps, parties, and a First LEGO LEAGUE team. Originally drawn into robotics by her oldest son, she lives in a house full of LEGOs in Liberty Township with her husband and sons. Her family "pet" is a NXT robotic alligator named Fred — who sometimes visits her classes!

**Mia Burnett** has a bachelor's degree in Forensic Chemistry from Ohio University, a master's degree in Forensic Toxicology from the University of Florida, and a master's degree in Chemistry from Wright State University. Mrs. Burnett worked at the Hamilton County Coroner's Office for 12 years and is currently working as an independent contractor presenting community outreach programs. She is pursuing a doctorate in Environmental Sciences and Toxicology at Wright State University.

**Dr. Kenneth Brown** is a retired Research Chemist from the National Institute for Occupational Safety and Health with 50 years of professional work using science, technology, engineering, and math industries. He is interested in mentoring young scientists toward their careers in science through the Super Saturday Program.

**Ryan Cheng** graduated with an Associate Degree in Electro-Mechanical Engineering Technology (ABET accredited) from Sinclair College. Currently an undergrad from Miami University double major in Robotics, Electrical and Computer Science Engineering. He has Solidworks CSWA, National Association of Rocketry Level 2 High Power Certification and enjoys mentoring student teams for FIRST, VEX, TARC, Ohio 4-H, Rocketry and Science Projects. Ryan believes getting students excited about STEM at an early age is the key to giving them the skills to be critical thinkers.

**Kevin Coleman** has been a chess coach in the Cincinnati area for the past 10 years and is a former officer of the Cincinnati Chess Club. He leads our fearless "Super Saturday Knights" each spring at the Queen City Classic Chess Tournament; we would love for you to join us there.

**Aidan Gallagher** is a Computer Science undergrad at Miami University of Ohio and a member of the varsity Overwatch team. He has been a webmaster resource for The Super Saturday Program since 2015. Aidan participated in the 2017 Harvard Hackathon and is proficient in Java, Python, frontend web development and other programming languages.

**Jessica Hamilton** has taught K-5 gifted education in Kentucky public schools and is raising two gifted children of her own. She holds a master's degree in Gifted Education from NKU and a bachelor's degree in Education from UC. She hopes to be a resource both as a parent and an educator for the families of the Super Saturday Program.

**Steven T. Harm PE SE.** is a registered professional engineer in 11 states, with over 20 years of experience in structural engineering of buildings. He holds a Bachelors degree in Civil Engineering from Ohio University. Steven is an owner and managing partner at Advantage Group Engineers Inc. He was also the structural Engineer of record for numerous buildings in the Cincinnati Area, including the Indian Hill/Madeira Firehouse, the Bellevue Waters Edge Condominiums and the Rhinegeist Brewery renovation.

**Barbara James, M.Ed., NBCT**, has worked as science specialist and teacher in both the public and private sector for over 30 years. Her teaching accomplishments have earned her both state and national awards including TWC National Teacher, CPS Hawkins Educator of the Year, Who's Who Among Teachers, just to name a few. Along with being featured in news articles for her work with science and children, Barbara has presented seminars on college campuses, at national conferences and to a wide variety of audiences on early childhood literacy, outdoor education and topics in science. A gifted musician, she is also a national award winning song writer. Teaching with Super Saturday since 1999, she says, "I look forward to Super Saturday mornings with joy because I love teaching and the children come excited about learning."

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# Instructor Biographies:

**Korin Mattei** is the daughter of both a professional artist and inventor, grew up not only thinking outside of the box, but questioning the existence of a box. Korin has raised gifted children of her own and helped Super Saturday for many years. Her idle hours are spent singing, building strange things, and following her auto-didactical whims.

**Priscilla Oehlschlaeger** is the author of *Make Costumes: For Creative Play* (North Light Books 1992.) She has taught for Cincinnati Playhouse in the Park, Carnegie Visual & Performing Arts Center, Cincinnati Public Libraries, UC summer camp, Pyramid Hill Sculpture Park, The Super Saturday Program, Cincinnati Art Museum, Children's Museum of Cincinnati and at several local schools, nursing homes and special events.

**Mousumi Sinha** (pronounced Mo-shu-me) creates a fun-filled learning environment. She is an author, musician, mom to a boundlessly curious 11-year-old, and volunteer at a local non-profit organization. She studied mathematics in India before moving to the U.S.A. and studied Software Engineering at UTD before moving to Cincinnati.

**Andrew Speno** was an elementary school teach-

er for 20 years and has taught classes at Super Saturday since 2009. During the week, he substitutes for five local districts. He has published two books for middle grade and young adult readers. He enjoys cooking, playing Go, and attending performances at any one of Cincinnati's many arts organizations.

**George Whitaker** is an Eagle Scout and earned a teaching degree from Miami University. He enjoys all of the typical geeky pursuits and believes that this all stems from and can be enhanced by an enjoyment in literature.

## Teen Leader Volunteer Program

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Register Online at:  
<https://www.supersaturday.org/our-program/online-registration/>

