

STORMING ROBOTS

• summer.stormingrobots.com
(908) 595-1010
office@stormingrobots.com

SUMMER 2024

Overall Characteristics

Computational Thinking

Empowering students to
**be competitive for high
school internships in the
dynamic field of AI.**

AM & PM (9-12 & 1-4)

Full-day⁽⁹⁻³⁾

Continuous growth with our
progressive advancement
program – allow reaching
one's full potential.



Grade 5 to 8 Hands-on Robotics Projects for Novice to Advanced Level

COMPUTER SCIENCE for middle schoolers

Gain Competitive in HS
Engineering Activities

(for middle school) Satellite Programming Competition (by MIT/NASA)

Special **FACE-OFF
Robotics Week**
(w/ prize)

Grade 8-12

CS with Computational
Thinking—
Beyond just programming.

College Readiness and
Beyond

Grade 8-12

**Hands-on Robotics
and Electronic
Projects for Novice to
Advanced Level.**

Grade 8-12

**Weeks of
Algorithms Behind
Machine Learning**



DAILY ROUTINE

Sample Daily Schedule

8:30	Check-in
9:00	Workshop Lab time
10:15	Break (<i>snack, play a short chess game, making friends</i>)
10:30	Workshop Lab time
12:00	Check-out for AM session only students Lunch for Full-day program students.
12:30	Check-in for PM sessions only
1:00	Workshop Lab Time
2:15	Break
2:30	Workshop Lab Time
3:00	Check-out for Full-day program students
4:00	Check-out for all students
**Until 6PM	Extended hours Care (Require min. 1 week prior notice.) Time to relax, play a board game. Reading a book, etc. (*Late Pickup: \$16/hr. Please note that any 15 minutes into an hour is counted as a full hour.)



SAVINGS

Early Registration

- by Feb 28th: **\$50 off.**
- by March 31st: **\$40 off.**
- by April 30th: **\$30 off.**
- by May 31st: **\$20 off.**

Special Discounts for Additional Sessions

\$60 off: both morning and afternoon classes in the same week.

\$40 off: for each additional session.

(i.e. Both AM and PM within the same week: **-\$100**)

Others

\$50 off: Refer your friend (subject to approval)

10% off: Sibling Discount (Apply to the lowest cost)

Samples of Savings

Scenario 1 Total Saving	(100.00)
WEEK1: AM + PM	
Scenario 2 Total Saving	\$(140.00)
WEEK1: AM + PM	
WEEK2: AM	
Scenario 3 Total Saving	\$(280.00)
WEEK1: AM + PM -40 -60	
WEEK2: AM + PM -40 -40 -60	
WEEK5: Full-Day -40	

Plus: Early Bird Discount



COMPUTATIONAL
THINKING

ALL PROGRAMS STRESS ON

COMPUTATIONAL THINKING

WHY MATTERS!

In today's digital landscape, CS with Computational Thinking literacy stands as fundamental as the ABCs.

Computer science is often misunderstood as mere coding. It's far more than that—it's a mindset, a journey that cultivates proficiency and adaptability. Learning code solely for its sake doesn't inherently foster problem-solving abilities.



PROGRAMMING

Regrettably, grade school education frequently neglects this crucial aspect, resulting in a significant gap as students advance from middle school to high school and subsequently to college. At Storming Robots, we acknowledge this void—a gap that impedes students' progression.

You will find two groups of summer programs— for Gr.5-8 and Gr.8+. Both are centered on imparting concrete computer-centric knowledge along with programming with Computational Thinking skills, and Robotics engineering disciplines.



CRITICAL
THINKING

DIRECT BENEFITS:

Refined Problem-Solving: Sharpen analytical skills essential, creativity and innovative ability in tackling engineering challenges.

Increase their competitiveness: Gain a competitive edge in various contests, such as Advanced Placement in CS –A, ACSL, USACO,. Equip them with the skills, knowledge, and confidence needed to secure High School Internship.





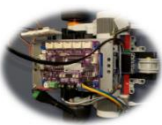



2024 Summer Enrichment Schedule At-A-Glance

<https://summer.stormingrobots.com>

AM: 9 to 12 PM only (M-F) or
 PM: 1 to 4 PM only (M-F) or
 Both AM+PM

Wk1:6/24-28 • Wk2:7/8-12 • Wk3:7/15-19 • Wk4: 7/22-26
 Wk5: 7/29-8/2 • Wk6:8/5-9 • Wk7: 8/12-16 • Wk8: 8/17-23






Grades 8-12		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
		AM	PM	AM	PM	AM	PM	AM	PM
	Programming with Computational Thinking Levels Progression: B & I <i>AM or PM or AM+PM</i>	✓	✓	✓	✓	✓	✓	✓	✓
	Programming with Computational Thinking Levels Progression: II & III <i>AM or PM or AM+PM</i>	✓	✓	✓	✓	✓	✓		
	Robotics and Electronic – Arduino Projects Levels Progression: B & I <i>AM or PM or AM+PM</i>			✓	✓	✓	✓	✓	✓
	Computer Vision on Windows/Linux <i>2 Weeks of Full-Day Programs</i> <i>9 AM to 3 PM, M-F</i>								
	Tele-Robot with Shared Autonomy: <i>2 Weeks of Full-Day Programs</i> <i>9 AM to 3 PM, M-F</i>								
Grades 9-12		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
		AM	PM	AM	PM	AM	PM	AM	PM
	Advanced Placement CS – A (ONLINE) Levels Progression: B & I <i>5 Weeks of Monday and Friday Programs</i> <i>1:30 PM to 4 PM, M & F</i>				✓		✓		✓



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		Week 1		Week 2		Week 3		Week 4		Week 5		Week 6		Week 7		Week 8	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
Grades 5 to 8																	
	Robotics Projects Levels Progression: B & I <i>AM or PM or AM+PM</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	•	•	✓	✓	✓	✓
	Computer Science (Beyond Coding) Levels Progression: B & I <i>AM or PM or AM+PM</i>	•	•	•	•	✓	✓	✓	✓	•	•	✓	✓	✓	✓	•	•
	Robotics FACE-OFF Contest Week Levels Progression: <i>A Week of Full-Day Program</i> <i>9 AM to 3 PM, M-F</i>	•	•	•	•	•	•	•	•	1 WK Full Day 9 to 3		•	•	•	•	•	•
Grades 6 to 9																	
	ZeroRobotics Competition Groups Levels Progression: <i>4 Weeks of lengths Programs with 3-time slots, M-F</i> <i>In-person: 10 AM-12 PM & 1- 3 PM, Online 3:30 PM-5:30 PM</i>	✓	✓	✓	✓	✓	✓	✓	✓	•	•	•	•	•	•	•	•
	Special Fun Workshop Chess (taught by Grand Master) <i>(* Must register at Dean of Chess website)</i> https://deanofchess.com	•	•	•	•	•	•	•	•	•	✓	•	•	•	•	•	•

(Extended hours available. Visit <https://summer.stormingrobots.com> for details.)