

# Inventor Academy

*FOR THE INVENTORS, BY THE INVENTORS.*



# Mission Statement

*Inventor Academy believes education is for **inventing** the future. We empower students to become the nation's top inventors by fostering a dynamic environment focused on project-based learning, practical application, and intensive skill development. Our core values of curiosity, innovation, and grit guide a curriculum that prepares students not just for college, but to be pioneers in a rapidly changing world. The ultimate goal of an Inventor Academy education is to cultivate students who drive personal growth and social change through groundbreaking innovation.*

***Established By:***

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Curriculum



Daily Life and  
Structure



Future and  
Innovation



Community,  
Campus, Culture





# Vision

Our students will improve the present and design a better future.

# Motivation

We strive to give every student the chance to experience innovation firsthand, gain the skills to thrive in a changing world, and build pathways to impactful and equitable futures.



# Curriculum



- ✓ World Literacy, Art of Thinking, SAT, Home EC
- ✓ Accelerated Math
- ✓ STEM(Science Fair and Reserach)
- ✓ Job and Work Experince at top companies
- ✓ Olympiads
- ✓ Dual Enrolment
- ✓ French
- ✓ Innovation Lab
- ✓ Biology/Chemistry/Physics through Engineering
- ✓ Computer Science

# Curriculum for 9<sup>th</sup> and 10<sup>th</sup> grade

9th Grade		10th Grade	
Semester 1	Semester 2	Semester 1	Semester 2
STEM	STEM	STEM	STEM
Art of Thinking	World Literacy	SAT	Home EC
Biology Through Engineering	Biology Through Engineering	Chemistry Through Engineering	Chemistry Through Engineering
Olympiad	Olympiad	Olympiad	Olympiad
Humanities	Humanities	Humanities	Humanities
Alg and Geo 2 Honors	Pre-Calc Honors	AP Calc BC	AP Calc BC
French/Spanish Immersion	French/Spanish Immersion	French/Spanish Immersion	French/Spanish Immersion
Computer Science	Computer Science	Computer Science	Computer Science
Outisde of School		Outisde of School	
Job/Internship	Job/Internship	Job/Internship	Job/Internship
Passion Project	Passion Project	Passion Project	Passion Project
Volunteering	Volunteering	Volunteering	Volunteering
Sport	Sport	Sport	Sport
Club	Club	Club	Club



# Schedule for 9<sup>th</sup> and 10<sup>th</sup> grade

Time	Monday	Tuesday	Wednesday	Thursday	Friday
7:45-8:45	Humanities	STEM	Job/Internship	Bio/Chem	STEM
8:45-9:45	French	Humanities	Job/Internship	STEM	Comp Sci
9:45-10:15	Nap Time/Study	Nap Time/Study	Job/Internship	Nap Time/Study	Nap Time/Study
10:15-11:15	AoT/WL/SAT	Olympiad	Job/Internship	Math	Olympiad
11:15-12:15	Comp Sci	AoT/WL/SAT	Job/Internship	Olympiad	AoT/WL/SAT
12:15-12:45	Lunch	Lunch	Job/Internship	Lunch	Lunch
12:45-1:45	Bio/Chem	French	Job/Internship	Humanities	Math
1:45-2:45	Math	Comp Sci	Job/Internship	French	Bio/Chem
2:45-3:00	Break Time	Break Time	Break Time	Break Time	Break Time
3:00-4:00	Club	Club	Club	Club	Club
4:00-7:00	Practice	Practice	Practice	Practice	Practice
7:00-8:00	Break/Relax	Break/Relax	Break/Relax	Break/Relax	Break/Relax
8:00-12:00	Homework	Homework	Homework	Homework	Homework

# Curriculum for 11<sup>th</sup> Grade

11th Grade			
Term 1	Term 2	Term 3	Term 4
STEM	STEM	STEM	STEM
Innovation Lab	Innovation Lab	Innovation Lab	Innovation Lab
Intro to Mechanics	Intro to Mechanics	Introduction to E&M	Introduction to E&M
Olympiad	Olympiad	Olympiad	Olympiad
Humanities	Humanities	Humanities	Humanities
Multi-Var	Differential Equations	Linear Algebra	Probability & Stats for Engineers
French/Spanish	French/Spanish	French/Spanish	French/Spanish
Computer Science	Computer Science	Computer Science	Computer Science
Outisde of School			
Job/internship	Job/internship	Job/internship	Job/internship
Passion Project	Passion Project	Passion Project	Passion Project
Volunteering	Volunteering	Volunteering	Volunteering
Sport	Sport	Sport	Sport
Club	Club	Club	Club



# Schedule for 11<sup>th</sup> grade

Time	Monday	Tuesday	Wednesday	Thursday	Friday
7:45-8:45	Physics	Physics	Job/Internship	Physics	French
8:45-9:45	Math	Math	Job/Internship	French	Math
9:45-10:15	Nap Time/Study	Nap Time/Study	Job/Internship	Nap Time/Study	Nap Time/Study
10:15-11:15	Humanities	French	Job/Internship	Humanities	Humanities
11:15-12:15	CS	CS	Job/Internship	CS	Innovation Lab
12:15-12:45	Lunch	Lunch	Job/Internship	Lunch	Lunch
12:45-1:45	STEM	Olympiad	Job/Internship	Innovation Lab	STEM
1:45-2:45	Innovation Lab	STEM	Job/Internship	Olympiad	Olympiad
2:45-3:00	Break Time	Break Time	Break Time	Break Time	Break Time
3:00-4:00	Club	Club	Club	Club	Club
4:00-7:00	Practice	Practice	Practice	Practice	Practice
7:00-8:00	Break/Relax	Break/Relax	Break/Relax	Break/Relax	Break/Relax
8:00-12:00	Homework	Homework	Homework	Homework	Homework

# Curriculum for 12<sup>th</sup> Grade

12th Grade			
Term 1	Term 2	Term 3	Term 4
Innovation Lab	Innovation Lab	Innovation Lab	Innovation Lab
Innovation Lab	Innovation Lab	Innovation Lab	Innovation Lab
Any Science Class	Any Science Class	Any Science Class	Any Science Class
Olympiad	Olympiad	Olympiad	Olympiad
Humanities	Humanities	Humanities	Humanities
Math class which matches field	Math class which matches field	Math class which matches field	Math class which matches field
Any STEM Class	Any STEM Class	Any STEM Class	Any STEM Class
Any STEM Class	Any STEM Class	Any STEM Class	Any STEM Class
Outisde of School			
Job/internship	Job/internship	Job/internship	Job/internship
Passion Project	Passion Project	Passion Project	Passion Project
Volunteering	Volunteering	Volunteering	Volunteering
Sport	Sport	Sport	Sport
Club	Club	Club	Club



# Schedule for 12<sup>th</sup> grade

Time	Monday	Tuesday	Wednesday	Thursday	Friday
7:45-8:45	Any STEM Class	Any STEM Class	Job/Internship	Any STEM Class	Any STEM Class 2
8:45-9:45	Math	Math	Job/Internship	Any STEM Class 2	Math
9:45-10:15	Nap Time/Study	Nap Time/Study	Job/Internship	Nap Time/Study	Nap Time/Study
10:15-11:15	Humanities	Any STEM Class 2	Job/Internship	Humanities	Humanities
11:15-12:15	CS	CS	Job/Internship	CS	Olympiad
12:15-12:45	Lunch	Lunch	Job/Internship	Lunch	Lunch
12:45-1:45	Innovation Lab	Innovation Lab	Job/Internship	Innovation Lab	Olympiad
1:45-2:45	Innovation Lab	Innovation Lab	Job/Internship	Innovation Lab	Olympiad
2:45-3:00	Break Time	Break Time	Break Time	Break Time	Break Time
3:00-4:00	Club	Club	Club	Club	Club
4:00-7:00	Practice	Practice	Practice	Practice	Practice
7:00-8:00	Break/Relax	Break/Relax	Break/Relax	Break/Relax	Break/Relax
8:00-12:00	Homework	Homework	Homework	Homework	Homework



# School Life and Culture

- The schoolyear is 180 days long.
- The school will be set apart by the independence that the students will develop through project based learning and highly advanced education.
- The unique routine of doing things specific for becoming a competitive college applicant, such as competitions, standardized testing, internships, and clubs.
- Unique traditions our school has are yearly internships and specialization for a highly skilled career.
- This school will also feature numerous social and bonding activities to enhance school spirit and foster student camaraderie.
- Events like socials, sports, and collaborative clubs, where students compete together, will build a closely intertwined community of students.





# Campus Facilities

**Innovation Lab**

**Biology and Chemistry Lab**

**Library**

**Sport Facility**

**Robotics and Computer Lab**

**Medical Center**



# Logistics

Location: Any urban area with a diverse population and a university with a strong STEM program (Los Angeles, Boston, New York City, Austin, etc.)

Funding: The school will receive government funding, corporate sponsorships from technology companies, quantitative finance firms, defense companies, and others.

College partnership: A local university that has a strong focus on STEM will partner with the school in order to establish a dual enrollment program for juniors and seniors.

The school will provide transportation for nearby students. Students that live a significant distance away from the school will need to provide for their transportation.

200 students per grade across a variety of income backgrounds.

# Admissions

All applicants will take part in the following admissions process, as outlined below:

Entrance  
exam testing  
creative  
thinking and  
problem  
solving

Extracurricular  
activities and  
essays

Knowledge  
about current  
events and  
basic skills

Holistic  
evaluation by  
admissions  
officers

# Future and Innovation

- Students prepare for the future through cutting-edge classes, internships with top companies, and independent projects that build real-world skills.
- AI and modern technology are integrated into learning, helping students develop both technical expertise and strong critical thinking skills.
- Opportunities to publish research, compete in academic competitions, and work in labs give students practical outlets for their innovation.
- Strong partnerships with leading corporations and an adaptable curriculum ensure students stay aligned with emerging fields and career paths.



# Join Our Community!

*Inventor Academy is designed to cultivate the next generation of pioneers, and we believe the best way to do so is through a balance of rigorous academics we offer, as well as real-life application. Our students will graduate not just with knowledge from unique and challenging courses, but with the hands-on skills gained from internships and project-based learning opportunities that are available alongside facilities. They will leave with a strong foundation in a collaborative community, prepared to drive change to shape our future!*