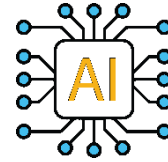
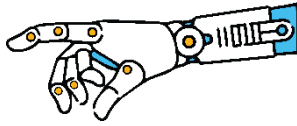


CAT Program Progression

Incoming students select from three pathways...

- 1) **Robotics**
- 2) **Artificial Intelligence**
- 3) **Content Creation**



9 th Grade	
Pre-AP English (1 or 2)	World Language or Elective
Geometry or Algebra 2	Pathway 1 (Robotics, AI, Content Creation)
Biology Honors	Foundations of Programming
AP Human Geography	Research 1

10 th Grade	
Pre-AP English 2 or AP English Comp	World Language or Elective
Algebra 2 or AP PreCalculus	Pathway 2 (Robotics, AI, Content Creation)
Pre-AP Chemistry	AP Capstone (Seminar)
AP World History	Dell Student Tech or AP Computer Science

11 th Grade	
AP English Comp or AP English Lit	Elective (AP or Dual Enrollment Option)
AP Precalculus or AP Calculus	Pathway 2 (Robotics, AI, Content Creation)
Physics Honors	AP Capstone (Research)
AP US History	Dell Student Tech or Procedural Programming

12 th Grade	
AP English Option	Pathway 4 (Capstone Project)
AP Math Option	Dell Student Tech or Programming Option
AP Science Option	Elective (Dual Enrollment/AP Option)
US Government/Economics	Elective (Dual Enrollment/AP Option)

*Students who complete a minimum 3-year pathway earn the **CAT Seal**.

*Students who successfully complete AP Capstone (Seminar and Research) plus 4 additional AP courses will earn the **AP Capstone Diploma**.

*Students earn multiple **Industry Certifications** within each pathway.

Pathway Progressions		
Robotics	Artificial Intelligence	Content Creation
Foundations of Robotics	AI in the World/Applications of AI	Digital Media Fundamentals
Robotic Design Essentials	Procedural Programming	Digital Media Production Systems
Robotic Systems	Foundations of Machine Learning	Digital Media Delivery Systems
Robotics Applications	AI Capstone	Advanced Digital Media Systems