SPECTRUM
ADVANCED LEARNING

PARENT PROSPECTUS

SPECTRUM AI PROGRAMME

Understand AI. See it at work. Build your own.

Learn how AI works in the classroom, see it at work in industry, then build your own AI solution.

6	1	4	1
weeks	classroom Academy week	industry placements	project and pitch

One week of classroom foundations, four weeks of industry placements, one week building and pitching a real AI solution.

PREPARED FOR

Students and parents

Six weeks · Ages 11–17 · Classroom Academy, four industry placements, project week · Linked to IB ATL, MYP Projects and IBDP CAS

spectrum-learning.com | Information: info@spectrum-learning.com

How the six weeks work

CLASSROOM · INDUSTRY · PROJECT

WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6
Academy	**Data at Work**	**Machine Learning in Practice**	**Generative AI at Work**	**Responsible AI**	**Project Week**
Classroom: how AI works, data, testing and responsible use	Placement with a data or analytics team	Placement with a product or ML team	Placement with a team using AI tools	Placement with a risk, legal or people team	Build, test and pitch an AI solution

Week 1: Academy

Four classroom days with Spectrum tutors build the foundations and prepare students for professional settings.

Weeks 2–5: Placements

Four days a week with technology companies, data and analytics teams, and organisations that use AI in their work. Each day mixes a teaching session, time with the team and a hands-on task.

Week 6: Project

Students design, test and pitch their own solution to a panel of host and Spectrum leaders.

Fridays

Home days for the Lab Journal and rest.

A placement day

Time	Activity
08:30	Arrival, sign-in, huddle with mentor
09:00	Teaching session: the day's key idea (Spectrum tutor)
09:45	Placement session 1: observe, ask, record
11:00	Break
11:15	Placement session 2: hands-on task with the team
12:30	Lunch
13:15	Skills lab: practise with tools and data
14:00	Lab Journal, mentor sign-off
14:30	Departure

Three tracks, one programme

PITCHED TO EVERY AGE

Track	Ages	IB stage	Big question	What they do
Explorer	11–12	MYP 1–2	*What can AI do, and how does it learn?*	Unplugged activities, guided tool use, visual reflections.
Builder	13–14	MYP 3–4	*How do we build and test an AI system?*	No-code models, simple calculations, testing, data handling.
Architect	15–17	MYP 5 to DP	*Should we use AI here, and how do we prove it works?*	Metrics, evaluation, ethics arguments, independent mini-projects.

What students learn each week

Week	Theme	Inquiry question
1	**Foundations of AI**	How does AI learn, and how do we know it works?
2	**Data at Work**	How do organisations collect, clean and use data, and why does quality matter?
3	**Machine Learning in Practice**	How do teams build, test and improve machine-learning systems?
4	**Generative AI at Work**	How do professionals use generative AI safely and effectively?
5	**Responsible AI**	How do organisations make sure AI is fair, transparent and accountable?
6	**Project Week: AI Solution Pitch**	How can I design, test and pitch an AI solution that helps real people responsibly?

Safe, ethical and IB-connected

OUR COMMITMENTS

Safety first

One Spectrum supervisor for every 8 students, trained host mentors, risk-assessed sites, no unsupervised work.

Ethical by design

Approved tools only, no personal data in AI tools, and every security activity is defensive and authorised.

Real-world learning

Students see professionals at work and complete real, non-confidential tasks.

IB links

ATL skills, MYP Design and project skills, Service as Action and IBDP CAS evidence.

Assessment and certificates

Component	Weight	Evidence
Professional conduct	15%	Daily mentor rating: punctuality, courtesy, safety, confidentiality
ATL skills growth	15%	Weekly self and mentor ratings on five ATL categories
Lab Journal and check-ups	20%	Daily journal entries, weekly reflections and the six weekly check-up quizzes
Weekly criterion tasks	25%	Week 1–5 deliverables marked on criteria A–D
Project and pitch	25%	Week 6 project judged by the panel

Certificate	Requirement
Distinction	85–100% and at least 22 of 24 days
Merit	70–84% and at least 20 days
Pass	55–69% and at least 18 days
Participation	Below 55% or fewer than 18 days, with the project attempted

Spectrum Advanced Learning is independent and is not endorsed by or affiliated with the International Baccalaureate Organization.

Joining

NEXT STEPS

Step	What happens
1. Apply	Application form with a short statement of interest.
2. Meet us	A friendly 10-minute conversation places your child on the right track.
3. Confirm	Consent, medical and photo forms; fee; placement allocation.
4. Prepare	Parent induction evening; Student Handbook and Lab Journal.

Dates	
Host organisations	
Fee and what it includes	
Places	
Application deadline	
Contact	

The organiser completes this table for each cohort.

Explore more with Spectrum

YOUR NEXT STEP

One partner for every stage of the journey.

Every learner is different. Spectrum finds where each one is, and builds the path to where they want to go.

Recommended for you

IN-HOUSE · 3.5 WEEKS · 4 DAYS A WEEK

Skills Studio

Fourteen in-house days of AI, cyber security, office software or public speaking.

ENGLISH AND MATHS

Mastery

Secure the English and Maths foundations every placement relies on.

PERSONALISED · 6 MONTHS

Career Pathways

Know your future career? Six personalised months with a specialist mentor.

A pathway for every stage

GRADES 1–11	MYP 1–5	AGES 10–17	GRADES 10–12	AGES 15–18
Mastery	**MYP**	**Placements and Skills Studio**	**IB Diploma, SAT and ACT**	**Career Pathways**

Why parents choose Spectrum

Diagnostic first
Every programme starts by finding exactly where a learner is, so time is spent on what matters.

Small groups, real attention
Tutor and supervisor ratios are kept small so every student is known by name.

Safe by design
Background-checked staff, clear safeguarding procedures and parents kept informed every week.

Evidence you can keep
Journals, portfolios, reports and certificates that schools and universities can see.

Talk to us. Book a free consultation through the Spectrum website or ask your Spectrum programme lead. We listen first, then recommend the right pathway.

THE SPECTRUM FAMILY OF PROGRAMMES

One family. Every stage of learning.

Every learner is different. Spectrum finds where each one is, and builds the path to where they want to go.

Mastery

ENGLISH AND MATHS · GRADES 1–11

Find the exact gap and close it for good, one skill at a time.

Math Mastery · English Mastery

MYP

MIDDLE YEARS PROGRAMME · MYP 1–5

Understand the criteria, meet them with confidence and arrive at eAssessment ready.

IB MYP Support (Years 1–5) · MYP 5 eAssessment Accelerator

IB Diploma

DP1 AND DP2 · GRADES 11–12

Separate SL and HL support for every paper and every component.

IB Diploma Support · TOK, EE and IA guidance

Placements

YOU ARE HERE

SIX WEEKS IN REAL ORGANISATIONS · AGES 10–17

Week 1 Academy, four placement weeks in industry or the community, then a project week.

JEP Industry · JEP Community Immersion · AI Programme · Cyber Security Programme

Skills Studio

IN-HOUSE · 3.5 WEEKS · 4 DAYS A WEEK · AGES 10–17

Fourteen hands-on days on the Spectrum campus: the future skills every student needs.

AI Studio · Cyber Security Studio · Digital Office Skills · Speak, Debate, Lead

Career Pathways

PERSONALISED · 6 MONTHS · AGES 15–18

For students who know their goal: a personal plan, a specialist mentor and real practice.

Law · Policy and research · Medicine and health · Engineering, business and more

SAT and ACT

UNIVERSITY ADMISSIONS · GRADES 10–12

Diagnostic-led preparation, timed practice and a clear target-score plan.

SAT Preparation · ACT Preparation

Teacher Academy

PROFESSIONAL LEARNING · EDUCATORS

Practical training for teachers in IB-style teaching, assessment and future skills.

1-week Intensive · 3-week Certificate

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Start a conversation

Book a free consultation through the Spectrum website or ask your Spectrum programme lead. We will listen first, then recommend the right pathway.

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