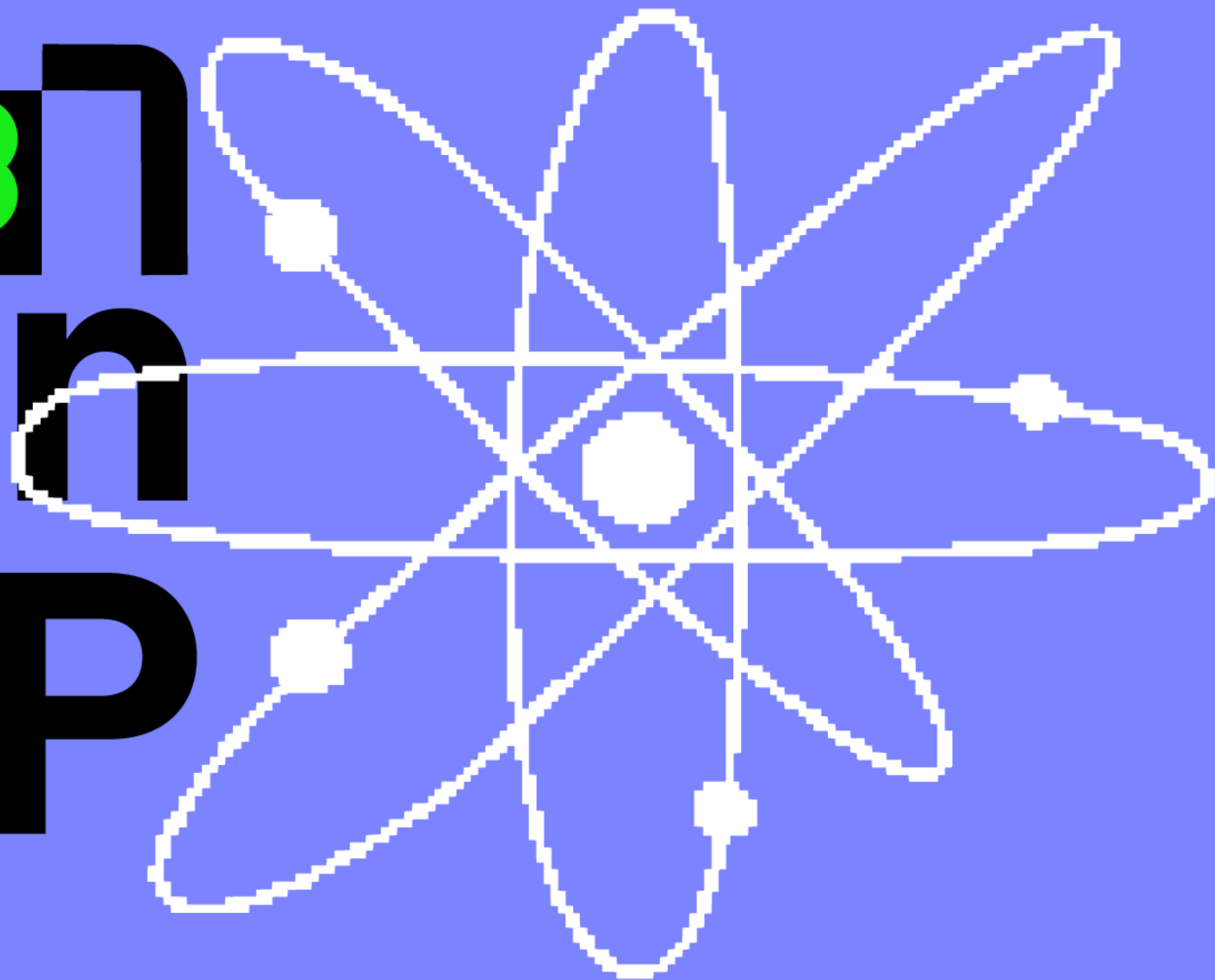
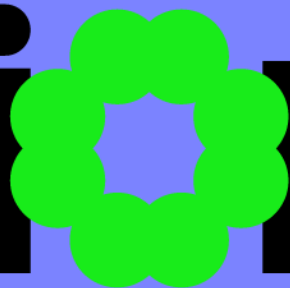


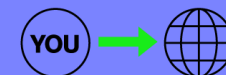
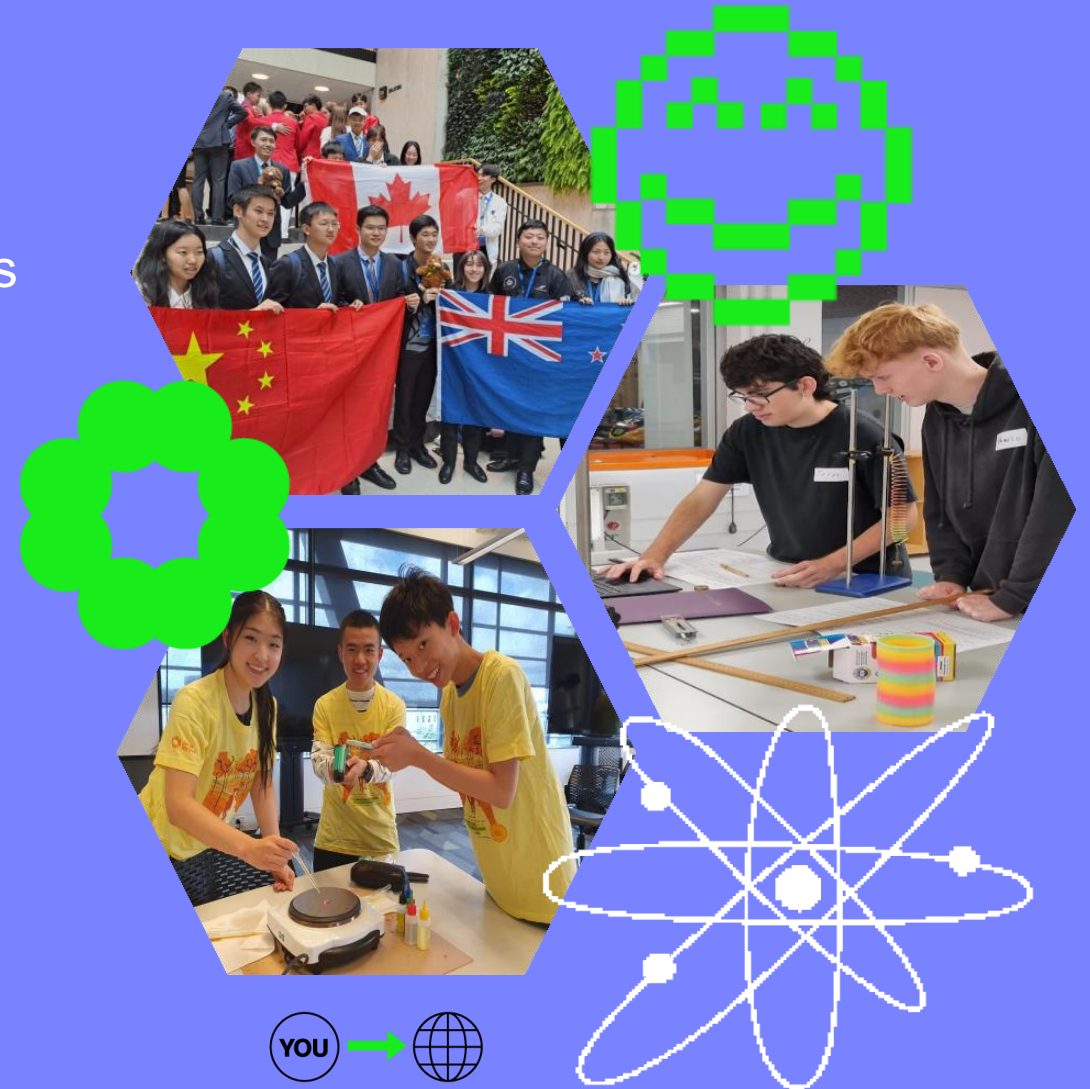
FUSION
design
COMP



The 40th ITYP Anniversary
New Zealand 2027

WHAT IS IYPT?

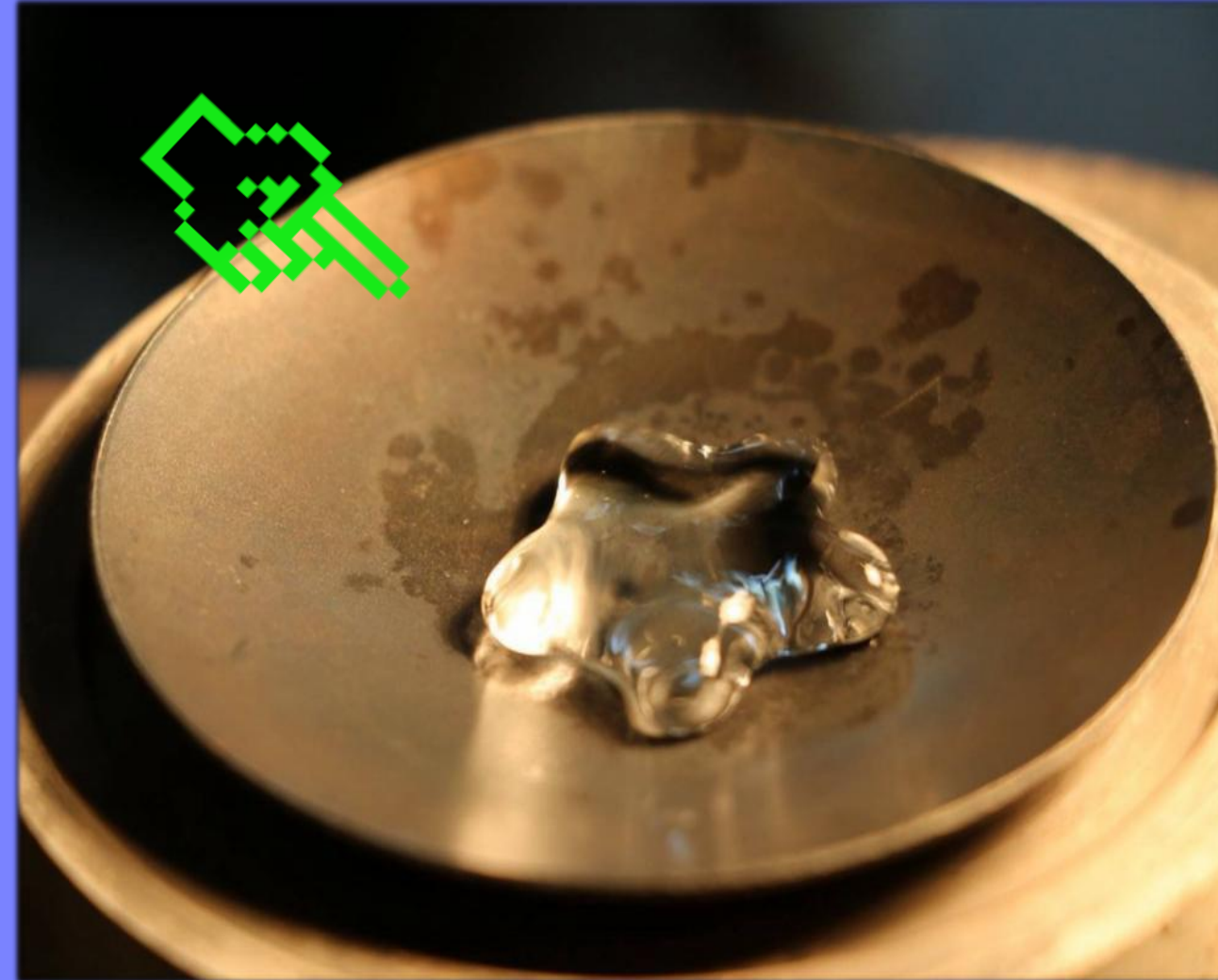
- A project-based, research competition for teams of high school students
- Replicates the scientific process through *research, report, oppose, and review* stages
- Requires inquiry, communication, teamwork, modelling, analysis and project planning + plus physics!
- International exchange and networking
- Fun!

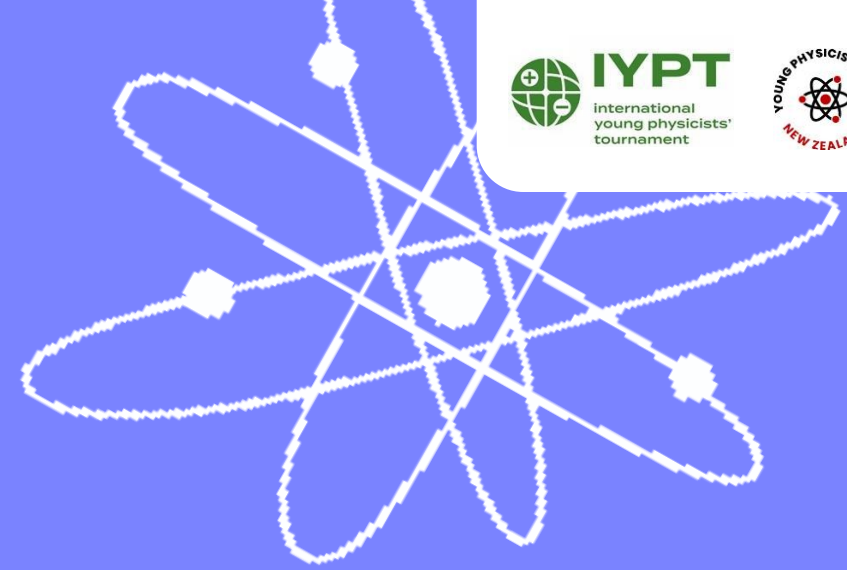


FIRST, THE TEAM RESEARCHES 17 PHYSICS PHENOMENA OVER MANY MONTHS.

For example: "A water drop placed on a hot surface can survive for minutes. Under certain circumstances, such a drop develops oscillating star shapes."

Induce different oscillatory modes and investigate them."





THEN @TOURNAMENT, THE “PHYSICS MATCHES” 5 ROUNDS AND GRAND FINAL

Structured debates with teams taking turns to

REPORT

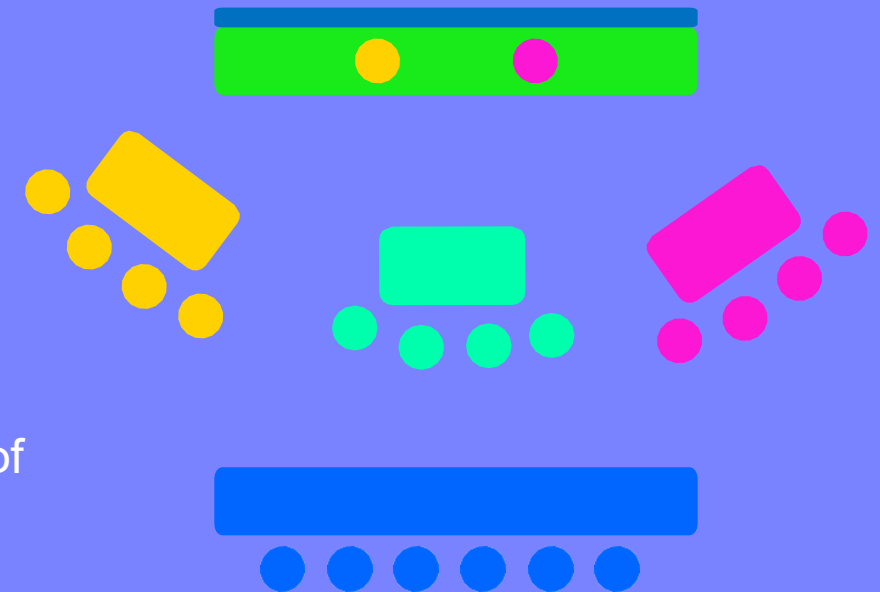
- Presenting their experimental results
- Explaining the physics
- Defend their choices and decisions

OPPOSE

- Questions the methods and approach used

REVIEW

- Summarise the debate; strengths and weaknesses of both sides' presentations.



All three graded by a *Jury* of physics teachers and professors

IYPT IN NEW ZEALAND

Organised by the New Zealand
Young Physicists' Trust

registered charity CC62496

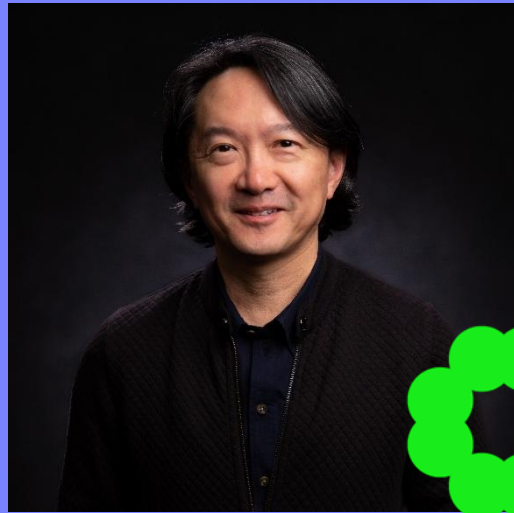
Team New Zealand has

- Competed in IYPT since 2003 (when we can travel)
- Won medals 13 times in 16 appearances, four of them golds.
- Our alumni have gone on to win five Prime Minister's Future Scientist prizes





OUR JUDGES



JERRY KUNG

is an Animation Supervisor and Lead Animator at Wētā FX, with over two decades of experience bringing some of Hollywood's biggest films to life. Before transitioning into animation, Jerry brought a strong technical foundation to his work - holding degrees in Aerospace Engineering and Environmental Engineering. That blend of engineering precision and creative artistry has defined his career. As the parent of a former NZ IYPT team member, he understands the challenges faced by the participants of the tournament and is looking forward to seeing the clever ideas generated by the Fusion design competition.



SAM ALLAN

Founder, Creative Director, PDINZ
The founder of Onfire Design, Sammo laid the foundations of his career in London where he worked on mundane brands like Rolls Royce, Aston Martin and Playstation. A specialist in working with people that make stuff, Sammo knows how to get to the bottom of a customer facing challenge. His ability to tell a story by design can be seen throughout Onfire's portfolio. An enthusiasm in life and business precedes him and energises his team on every project that Onfire tackles.



NAME PLACE HOLDER

I'm a self-taught New Zealand artist who has been creating and evolving my practice since selling my first piece in 2003. My work is inspired by the beauty of native flora and birds, expressed through vibrant colour, layered texture, and movement. I've won multiple art awards, exhibited in solo and group shows, and have gallery representation. Alongside my original works, I license my designs across a range of products and continue to expand my art into new formats, including a puzzle collection launching in 2026.



RULES - PART 1

- Entry is open to individual students who must be working in **year 11 to year 13** in an officially recognised NZ educational setting within New Zealand.
- By entering the competition entrants agree to follow, and be bound by, these rules.
- Any medium and method can be used to create your design: anything from hand sketches to AI.
- **The judging criteria: the fusion of Auckland, Physics and the Tournament presented, plus the logo's usability and originality.**
- Entries must be **submitted online** using the official form from our website **nzypt.org.nz**
 - Using the form, upload your design and a max 200 word document explaining how your design fulfils the brief.
 - One entry per person. If duplicate entries are received only the last one entered will be considered by the judges.
- Entries must be received before midnight on **29th May 2026** (NZ time)
- Finalists will be notified by 19th June. They will need to participate in a short online interview with our judges to tell us more about your design's origins.
- **THE WINNER WILL BE ANNOUNCED ON 24TH JUNE 2026.**



RULES – PART 2

- The judges decision is final
- All finalists will take part in the publicity and media activity generated by the Fusion design competition.
- Your school will be notified if you are a finalist.
- The winning design and it's derivatives become the intellectual property of the New Zealand Young Physicists' Trust. It will be used extensively as a trade mark and brand to promote the **40th International Young Physicists' Tournament** and the Trust's educational programmes.
- The winning designer retains the right to use the design for the purpose of their own portfolio and personal promotion.
- All finalists will receive a prize of art supplies.
- The winner will also receive an **electronic drawing pad** and a **day working with the Onfire Design Agency** in Auckland with all necessary travel within New Zealand and accommodation expenses paid.
- No alternative prizes are available.

