



IBRIPPLE

GLOBAL CONFERENCE 2025

A PROJECT OF LEARNING ALLIANCE INTERNATIONAL

Fri. 7th & Sat. 8th February, 2025

Hybrid Mode





IBRIPPLE

GLOBAL CONFERENCE 2025

A PROJECT OF LEARNING ALLIANCE INTERNATIONAL

A Global Platform for Celebrating Research Acumen of Young Learners

Dear School Leaders,

In an attempt to demystify myths about research being a complex process and to build critical thinking competencies of young learners, Learning Alliance International (LAI), Pakistan invites you to **'IB Ripple Global Conference 2025'** to be held on **Friday, 7th, and Saturday, 8th February 2025 (Hybrid Mode)**

In March 2023, LAI launched the first-ever research journal in the IB World called **'IB Ripple'** as an avenue for publishing research by IB students. Leaders of tomorrow shall not only be efficient problem solvers but will have essential skills such as collaboration, self management and critical thinking. Research driven engagements are a proven method for honing these integral leadership attributes in learners. Therefore, the LAI team, envisioned IB Ripple to be such a platform as it provides a tangible vista to young scientists for exhibiting these competencies.

Building on the same inertia, we invite **Conference Presentation Proposals** to celebrate research acumen of students and extend this opportunity to both IB as well as non-IB schools worldwide. During this **two day event** being conducted on a **hybrid model**, students between the **ages of 8-19** shall get a unique opportunity to lead presentations showcasing their original research on a range of global issues, under the theme of **'Globalisation & Sustainability'**.

We are pleased to join hands with the prestigious **University College London (UK)** as our collaborative partner, therefore, endorsing the journal and the value that this initiative brings. We sincerely hope that this inclusive platform can reach students who have a curious question, an exciting idea or a burning issue which they wish to investigate as budding thinkers.

We look forward to creating ripples of knowledge exchange with young researchers from around the globe.

Best wishes,
Farah Masood
Principal / Head of IB Programmes

Call for Presentation Proposals

7- 19 Year Old Young Scientists can submit proposals by: 20th January, 2025

Dear Educationists & Young Scientists,

Learning Alliance International (LAI), Pakistan invites **Conference Presentation Proposals** from schools around the world for the **IB Ripple Global Conference 2025** to be held on **Friday, 7th and Saturday, 8th of February, 2025** on a hybrid model. The conference being conducted in collaborative partnership with the prestigious **University College London (UK)** shall provide a unique opportunity to young scientists between the ages of **8-19** to present their original research.

Kindly note the following key details:

- Proposals must be submitted no later than **Monday, 20th January, 2025 @10:00 am PST / 06:00 pm GMT** via this Google form:
<https://forms.gle/B7niPnAiMnc2NJv47>
- Proposals must comply with the theme of '**Globalisation & Sustainability**'
- Proposals can be submitted for both on-going as well as completed research
- LAI IB Ripple team shall notify the finalized presenters post reviewing the proposals by **Wednesday, 22nd January, 2024**
- With prior consent taken, all finalized conference presenters shall be featured in the **pre-conference presentation book** as well as **post conference media** shared jointly by LAI & UCL.
- All presenters shall receive 'Certificate of Presentation' endorsed by both LAI and UCL along with an opportunity to publish their research in '**IB Ripple**'. Furthermore, this year, we have also introduced several categories of **awards for the participants**.

We have provided a detailed guideline for submission along with some student research samples for reference. Feel free to reach out to us at: info@ibripple.com should there be any queries regarding the conference.

LAI looks forward to celebrating the research acumen of young scientists!


















Kind regards,

Aruj Khaliq

Head of Academics (IB Continuum)



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Brains Behind the Board



Ms. Farah Masood

Principal
Learning Alliance International

Chairperson (2023-2025)
IBPAK Association

As the great educator John Dewey once said, “If we teach today’s students as we taught yesterday’s, we rob them of tomorrow”.

It is with this spirit of forward-thinking that I am thrilled to announce the launch of the IB Ripple Global Conference 2025. As the Principal of LAI and, more importantly, as an educator, I take immense pride in introducing this third edition of IB Ripple, hosted for schools across the world. With the mission of creating an engaging platform for students, we are proud to share that IB Ripple has become a distinguished forum for showcasing student research, cultivating intellectual curiosity, and enhancing critical thinking.

Over the past three years, the IB Ripple Global Conferences have proven to be an exceptional avenue for student agency, featuring over 270 presenters from more than 12 schools across 4 countries. Once again, the doors of LAI, both virtual and in-person, are open for the IB Ripple Global Conference 2025, providing an unparalleled opportunity for students to take the lead in shaping global dialogue. This event stands as a powerful showcase of student leadership, by the students, for the students.



Ms. Aruj Khaliq

Head of Academics (PYP-MYP-DP)
Learning Alliance International

Change requires utmost dedication and it swells me with pride to witness the positive ripples of inertia that IB Ripple has created since 2022.

A conversation that started in September 2022 with two colleagues of mine concluded in pioneering IB Ripple as a global platform for students world-wide. I am honored to witness this resilient idea focused on creating *systems* for enhancing critical thinking bloom into a magnanimous avenue of student agency. In the last three years, IB Ripple has conducted three conferences to feature research projects by the students, thus catalyzing momentum for research-driven inquiries.

Indeed LAI is the harbinger of this change however, we are indebted to the schools, teachers and students who collaborated with us and effectively used this platform. We are also thankful to the University College London for being our official community partner and collaborator. Indeed collective momentum is required to yield initiatives of this magnitude and we are pleased to launch the IB Ripple Global Conference 2025 with the hope of continuous community support.

Let’s create ripples of learning for students, world-wide!

Brains Behind the Board



Professor Douglas Bourn
Professor of Development Education
University College London (UCL), UK

Greetings, everyone! My name is Douglas Bourn: I'm a Professor of Education at University College, London and have been leading development education initiatives world-wide. It is to congratulate the team at Learning Alliance International, Pakistan for successfully launching the next IB Ripple Global Conference 2025. I have closely witnessed the zeal of the IB Ripple team being led by Ms. Farah Masood (Principal, LAI) and Ms. Aruj Khaliq (Head of Academics). I'm also very pleased to be involved in this collaboration between University College, London, and Learning Alliance International. It is the first time we've done such proactive engagement between UCL-DERC and a school in Pakistan. So I'm very pleased to be able to support this wonderful initiative, focused to celebrate research acumen.

What's important in today's world is that everyone moves beyond just accepting bodies of information that are given to them, whether it's from a textbook or the Internet; but to look at things from a range of voices and perspectives. That implies that the true value of doing proactive research is in discovery, and that you are discovering things on your own terms and in your own way. You're not just accepting information that's given to you. You're *trying* to find things out while critically thinking about it. And to me, I see that as the eventual goal in terms of the development of your lives and your careers in the future, because we all need to look at things critically from a range of world-views.

So to me, what I would suggest to you - young researchers- that you start to think about research for the first time is to do so in a way that starts to pose these questions in a proactive way that gets you to think about critical issues with an open mind. Once again, I'm very pleased to be working with you on this initiative, and as part of my ongoing dialogue with Learning Alliance International and other schools world-wide, I hope that this quest may continue to create ripples of change amongst young researchers.

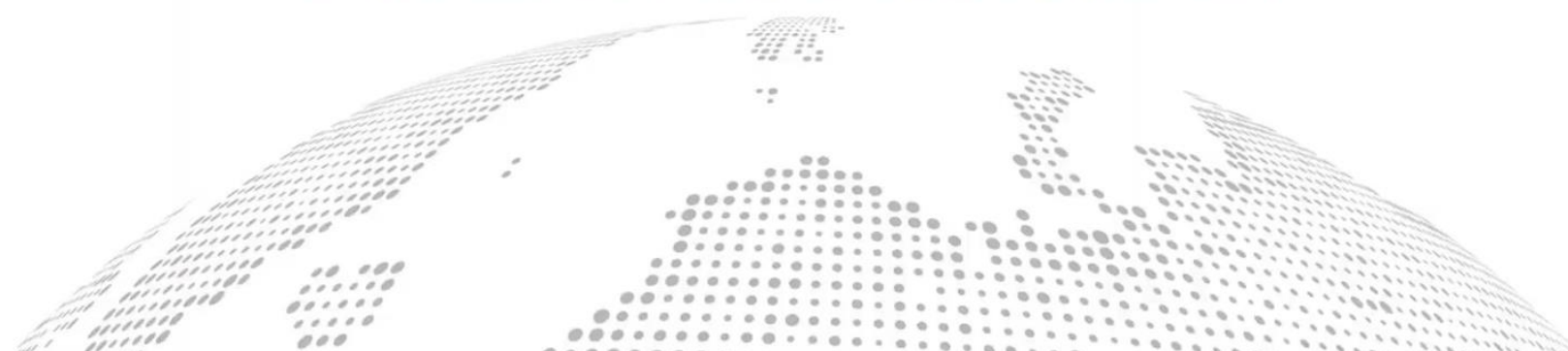
Best wishes for the next IB Ripple Global Conference!



LEARNING ALLIANCE INTERNATIONAL

X

UNIVERSITY COLLEGE LONDON



Click link to view video in a separate tab or window:

https://drive.google.com/file/d/1rztAUaDsYVNF66NI3NADs-YVqNVRVLtH/view?usp=drive_link

IB Ripple - The Core Team



Sameen Ali - PYP Vice Principal & Coordinator

IB Ripple philosophy, embodies the essence of scholarly exploration and research within the International Baccalaureate (IB) framework. The distinctive feature of IB Ripple lies in its dedication to providing a robust platform for the dissemination of knowledge. It is a platform that not only celebrates the achievements of young researchers but also cultivates a culture of curiosity, critical thinking, and a passion for knowledge. We have witnessed learners as young as 7 years of age, presenting their research at the previously conducted IB Ripple Global Conferences which is a testament to the potential this platform has for student leadership.



Mehrunissa Sammiullah - MYP Vice Principal & Coordinator

IB Ripple, an initiative by Learning Alliance International, stands as a pioneering research journal for International Baccalaureate (IB) schools worldwide. As the first-ever IB-authorized school to run such a platform, my thoughts on IB Ripple echo its significance: it empowers students to delve into meaningful topics, amplifying their voices and contributing to the broader educational discourse. The peer-reviewed nature of this initiative ensures the high quality and integrity of the published research, fostering an environment of academic rigor and scholarly excellence.



Aurangzeb Akbar - DP Vice Principal & Coordinator

The IB Ripple provides a platform for students to foster personal and professional growth by nurturing skills such as time management, organization, perseverance, and self-discipline. In highschool years, engaging in in-depth research allows students to explore their interests, develop a passion for learning, and gain a sense of accomplishment. This skill is of paramount importance in the IB Diploma Programme as it cultivates critical thinking, inquiry skills, academic integrity and prepares students for higher education. Research also equips them with the necessary skills required to thrive in an increasingly complex and knowledge-driven world of today.



Nada Suhail Yaqub - MYP Individuals and Societies, HOD

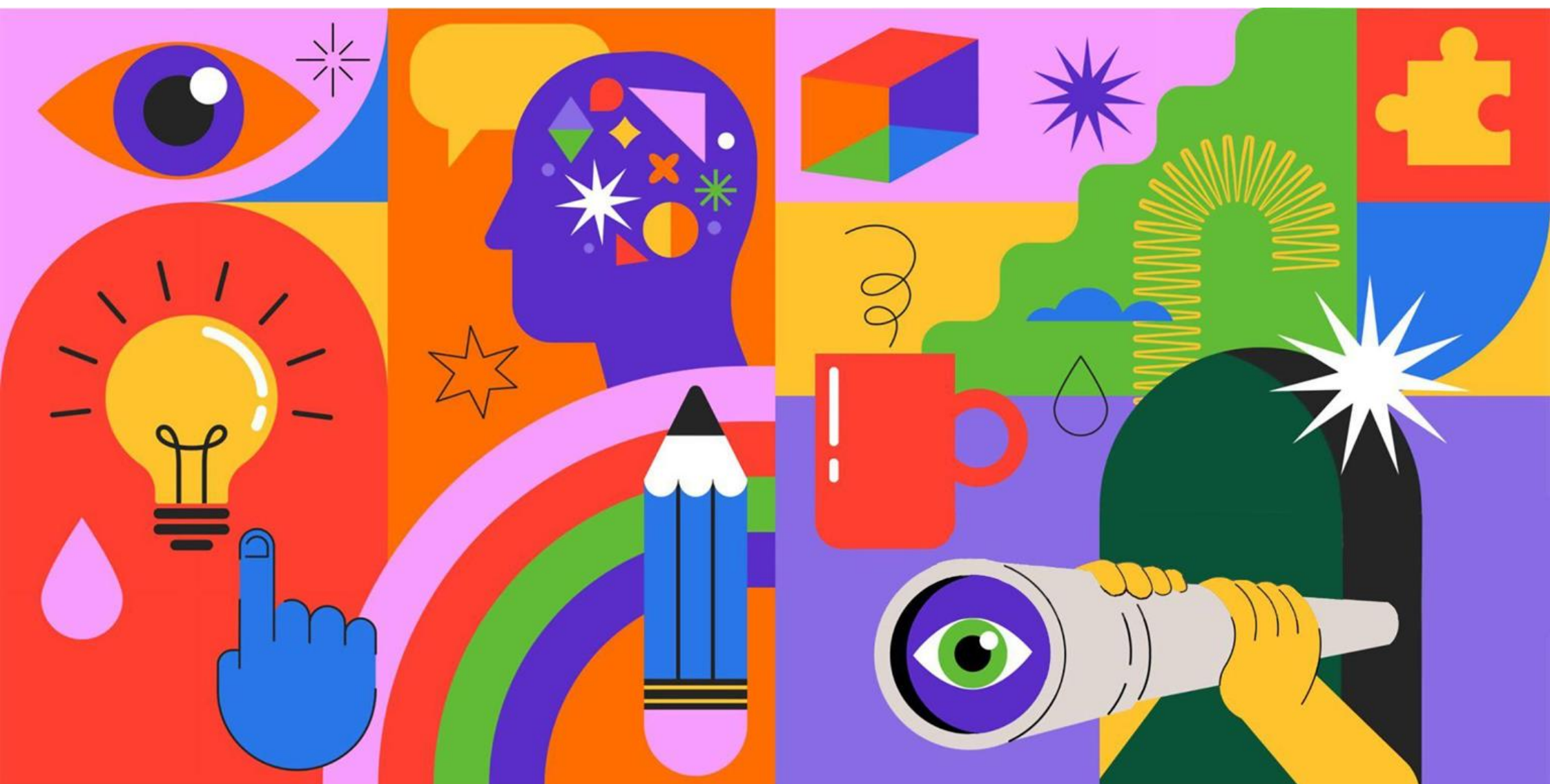
IB Ripple is more than a platform for students — it's a movement fueled by curiosity, innovation, and the power of student-driven research. It's a platform where students from every corner of the globe can share groundbreaking insights, challenge ideas, and inspire change through meaningful research. This initiative dares students to dream big, think deeper, and shape the future with their knowledge and creativity.



Maryum Saeed - PYP Research Coordinator & Library Facilitator

IB Ripple is an innovative initiative dedicated to nurturing critical thinking and research skills within students. Committed to excellence in education, we strive to cultivate inquisitive minds, encouraging students to explore, question, and develop a deep passion for learning. Through this transformative journey, we hope to empower young minds to become adept thinkers and researchers, laying the foundation for a lifetime of intellectual curiosity and academic success.

IB Ripple Student Leadership Team



Student Leadership Team

Event Heads:

Fazal Mahmood - DP I
Eshaal Ali - DP I
Ayra Khalid - DP I

Event Heads Gamma:

Farhan Khawar - DP I
Alishba Fatima Junjao - DP I

Event Heads Beta:

Rania Ali - MYP V
Ebrahim Ali Waseem - MYP V
Fajar Aqeel - MYP V

Event Heads Alpha:

Aiza Hussain Merchant - DP I
Eshaal Mouzam Khan - DP I

Hosts/ Session Chair:

Zoya Ahmed Shah- DP I
Zara Ali - DP I
Ahmed Moeed Yusuf - MYP
V

Technical support/ Social Media Manager:

Aleeshaye Fatima - DP I
Hayam Fatima- DP I
Rayyan Sattar Mirza - MYP V

Public Relations/ Marketing Coordinator:

Ayra Shaharyar - DP I
Menaal Kashif - DP I

Registration and Check-In Coordinator

Ilma Khan - DP I
Murad Ali - DP I
Ammar Sultan - DP I

Photography:

Hooriya Ahmed - DP I
Saad Fateh - MYP V
Awais Janjua - MYP V

Catering/ General Organization:

Moosa Khalid - DP I
Rayyan Butt - DP I
Ayaan Saad Kureshi - DP I

General Secretary:

Huda Malik - DP I

Call for Presentation Proposals



Proposals can be submitted by
Mon., 20th January, 2025

Link for submitting a proposal is given here:
<https://forms.gle/Yy7Nc1aEewDGurTYA>



Conference Theme: Globalisation & Sustainability



Topics of Possible Research:

An inquiry into “Globalisation and Sustainability” explores the following areas:

- The interconnectedness of human-made systems and communities
- The relationship between local and global processes
- How local experiences mediate the global
- Reflect on the opportunities and tensions provided by world-interconnectedness
- The impact of decision-making on humankind and the environment
- **Proposals can be submitted on a research project focused on any of the United Nations Sustainable Development Goals**

Value for Student Presenters

Why Participate in the IB Ripple Research Conference?

1. International Certification:

Earn recognition through a prestigious certificate endorsed by both University College London and Learning Alliance International

1. Student Awards

Contest for varying categories of awards for the presenters.

1. Original Research:

Conduct and showcase your unique research on a global platform.

1. International Feature:

Gain the opportunity to have your work featured on an international platform.



Submission Timelines



Awards & Categories

All presenters shall be assessed for the following categories of awards. A detailed criteria and description of judges shall be shared in January, 2025.



1. Best Delegate

Awarded to the participant, pair, or team that excels across all aspects of the competition—research depth, creative presentation, and impactful delivery. This recognition celebrates those who demonstrate a perfect balance of excellence in inquiry, innovation, and engagement.



2. Excellence in Research

Honors outstanding dedication to conducting detailed and effective research. This award recognizes depth, precision, and critical analysis in gathering and presenting knowledge.



3. Imagination in Action

Awarded for exceptional creativity and innovation in presenting research findings. This recognition celebrates the use of unique ideas, aesthetic excellence, and engaging design to bring concepts to life.



4. Voice of Impact

Acknowledges excellence in delivery, including confident body language, compelling vocal projection, and the ability to captivate and connect with an audience during the presentation.

Presentation Proposal Details



Presentation Proposal Details:

- The deadline for submitting a proposal is **Monday, 20th January, 2025**
@ 10:00 am PST/ 06:00 pm GMT
<https://forms.gle/XfF1zmnSZV5muYAr7>
- Submissions received after the deadline shall not be considered.
- Please note that the submission process is highly competitive, and we can offer presentation spots to only a limited number of presenters.
- Schools may submit proposals for researches which are in-process
- The IB Ripple Review Committee will screen all proposals and notify schools by **Wednesday, 22nd January, 2025**

Presentation Requirements:

- Presentations can be delivered in English or Urdu
- Presentation can be 5-7 minutes long highlighting key aspects of research
- Presentations must focus on at least one of the UN SDGs
- Presentations must not promote commercial purposes
- Presenters must share key research findings with the audience
- A research project can be presented by 1-3 students
- Students from IB Schools can present research driven Extended Essays, Personal Projects and PYP Exhibition projects aligned with the theme

Presentation Category	Grade Level	Age Group
Alpha α	Grade III - V / PYP III -V	7 - 10 Years of Age
Beta β	Grade VI - IX / MYP I - IV	11 - 14 Years of Age
Gamma γ	Grade X - XII / MYP V - DP II / O II - A II	15 - 19 Years of Age

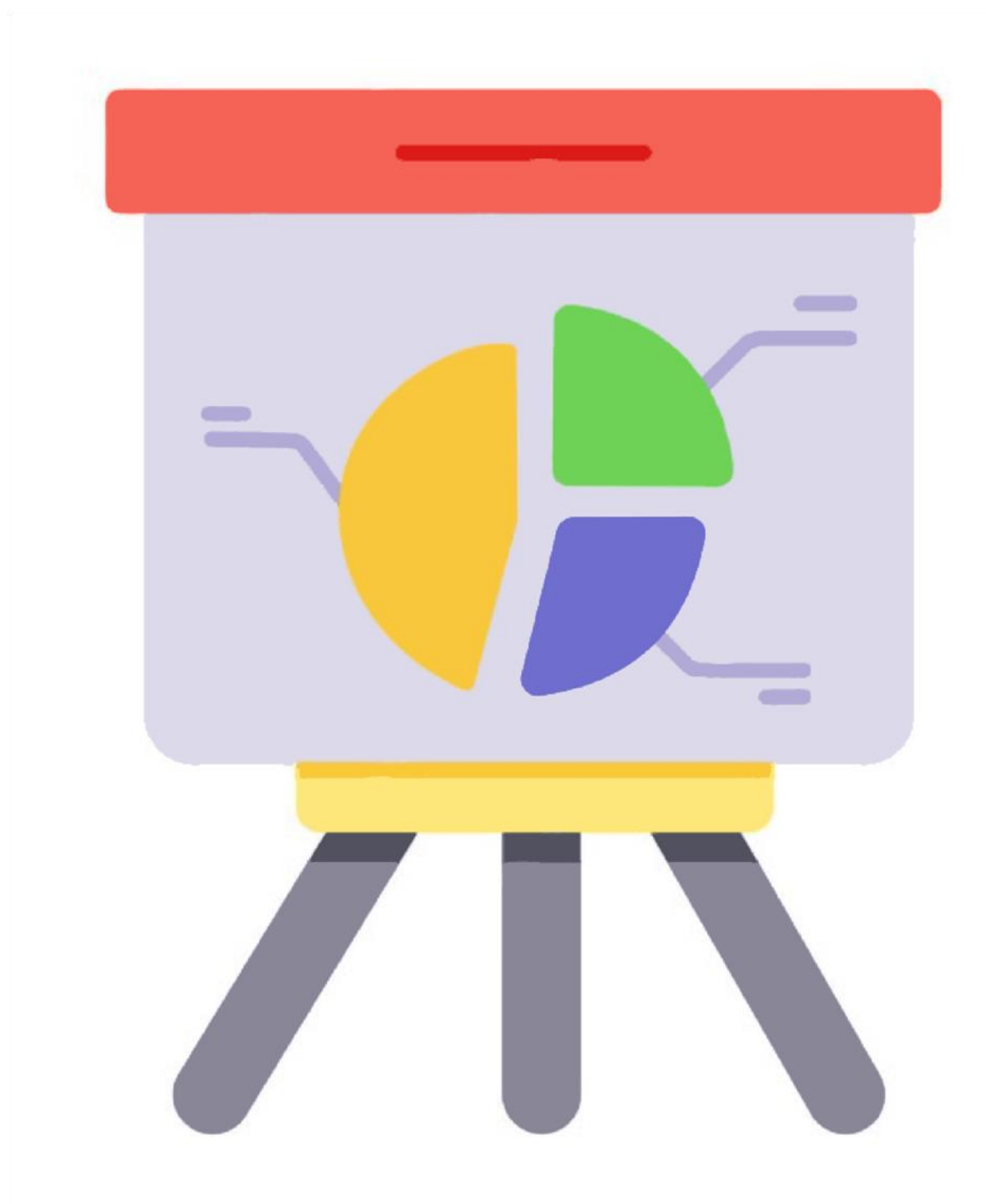
Registration Details



Registration Model for Selected Proposals

- **All selected participants shall be informed by 22nd January, 2024 of final decision on presentations after which the registrations shall open.**
- All delegates shall be required to register for the IB Ripple Global Conference, no later than 30th January, 2025
- The registration form shall be sent to the participants alongwith details of payment.
- There is **no fee for submitting a proposal** and only selected participants shall be required to pay the registration
- **On- Campus Participation - Registration Charges**
Regular Delegate Fee: PR 5000/-
Regular Per Delegation Fee: PKR 1000/-
- **Online Registration**
Regular Delegate Fee: \$20
Regular Per Delegation Fee: \$10

Facilitation for Presenters



Support for Presenters

Learning Alliance International will be hosting a free series of webinars before the conference in order to facilitate students who are interested in presenting their research at the conference.

Dates for Student Support Webinars:

- **Saturday, 18th January, 2025**

Essentials of a Research Proposal

- **Saturday, 1st February, 2025**

How to ace your research presentation

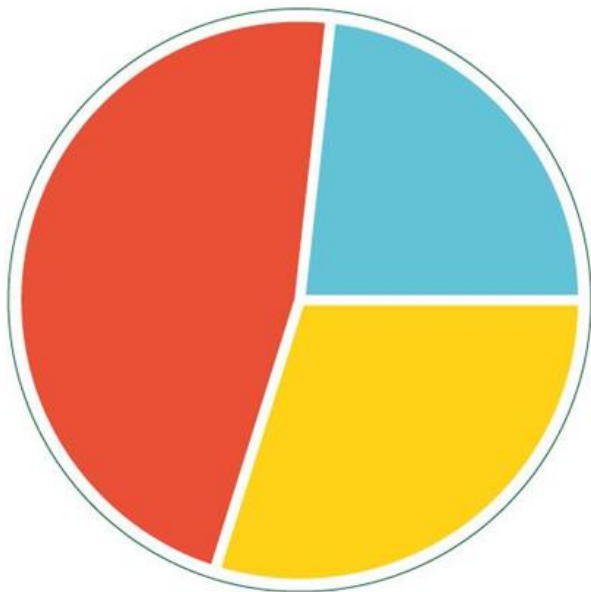


Glimpses of IB Ripple Global Conference 2024



IB Ripple Global Conference 2024 Presenters

114 responses



- **Alpha** (Grade 3-5 / PYP III-V)
- **Beta** (Grade 6-9 / MYP I-IV)
- **Gamma** (Grade 10-12 / MYP V - DP II)

IB Ripple Global Conference 2024

Global Presentations

 CANADA	 PAKISTAN
 RUSSIA	 INDIA

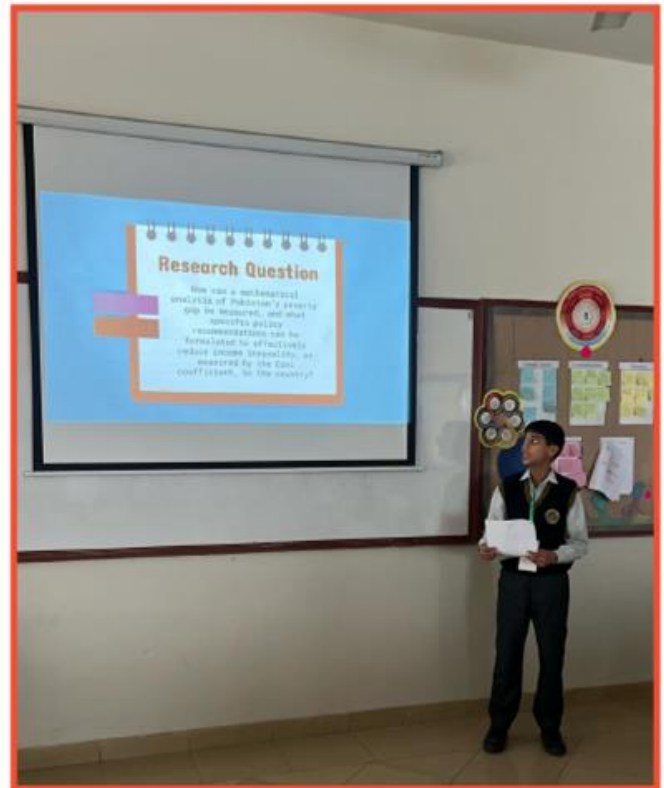


Alpha Presenters



GLOBALISATION & SUSTAINABILITY

Beta Presenters



GLOBALISATION & SUSTAINABILITY

Gamma Presenters



GLOBALISATION & SUSTAINABILITY

ALPHA (PYP III – V / Grade III - V)

Session 1

Student Session Chair: Ellani Shah

Faculty Session Co-chair: Ms. Huda Yaqub

1	Daniyal Hassan, Yahya Osama & Zaar Khan Learning Alliance International Evolution of our World
2	Mehrish Khan, Fatima Muzammil & Mujtaba Yousaf Beaconhouse Newlands Lahore Languages preserve societies
3	Aman Ahmad Shaikh Learning Alliance International Human affecting the natural balance (SDG 14 & 15)
4	Areesha Irfan Learning Alliance International Affordable and clean energy
5	Anaya Syed, Arisha Adeel & Aazil Ayaz Shahbaz Learning Alliance International The causes and effects of rising sea levels
6	Zaynab Saad Learning Alliance International Boiling Oceans



ALPHA (PYP III – V / Grade III - V)

Session 2

Student Session Chair: Eshaal Haseeb

Faculty Session Co-chair: Ms. Afifa Waqar

1	Jurayj Hamid Shaikh & Zeeshan Hussain Lal Learning Alliance International Evolution of Our Universe (SDG 17)
2	Sanaya Azam Hafeez Learning Alliance International SDG 4: Quality Education
3	Azlan Ijaz Saeed, Zaynab Abid & Muhammad Ibrahim Beaconhouse Newlands Lahore Our Global Playground: Exploring How Choices Impact Our Planet
4	Azlan Jamil & Zaina Zaheer Learning Alliance International What are the sustainable ways to overcome floods? A Case Study
5	Khazina Tariq & Anabia Malik Learning Alliance International Why is Earth the only planet to live on? (SDG 12)
6	Khirad Zahra & Ammar Anjum Learning Alliance International Exploring Sustainable Cities in the Industrial Revolution



ALPHA (PYP III – V / Grade III - V)

Session 3

Student Session Chair: Fazal Mehmood

Faculty Session Co-chair: Ms. Saliha Iftikhar

1	Manal Ali & Alya Asad Learning Alliance International Governance for reducing space debris to sustainably accelerate innovation and discovery to avoid exploitation of space and its resources. SDG11
2	Mustafa Raheel, Lasha Rumman Dar & Yousaf Abdullah Learning Alliance International The effects of China and America on the global environment
3	Abiyan Ahmed & Raiha Saad Learning Alliance International SDG 10: Reduced Inequalities
4	Arjumand Adeel Beaconhouse Newlands Lahore Interdependence is essential to the web of life
5	Kainat Abid, Armina Abdullah & Shanzay Sultan Learning Alliance International Understanding the impact of human movement, particularly relevant to the space sector and the technological adaptations needed to make space travel sustainable.



ALPHA (PYP III – V / Grade III - V)

Session 4

Student Session Chair: Fajr Aqeel

Faculty Session Co-chair: Ms. Rabail Ismail

1	Mahrush Habib, Syed Muhammad Ali Akbar & Aayat Faisal Iftikhar Learning Alliance International Understanding the impact of human movement, particularly relevant to the space sector and the technological adaptations needed to make space travel sustainable.
2	Muhammad Hadi Faisal Butt, Rameen Omer & Sarah Ahmed Learning Alliance International Growing Greener Cities: The Power of Trees for a Better Tomorrow
3	Maya Ahmed & Minal Amin Khan Learning Alliance International Effects of human exploration ON the Solar System (SDG 9)
4	Iyaad Moeed & Ahmad Asif Learning Alliance International Global Cooperation Against Acid Rain: Protecting Water Resources for a Sustainable Future
5	Areasha Tariq Beaconhouse Newlands Lahore Life Below Water (SDG 14)
6	Abdul Wasay Shoaib, Zahra Zaid Nomani & Arham Hammad Learning Alliance International Technology's potential role for a Greener Industry



ALPHA (PYP III – V / Grade III - V)

Session 5

Student Session Chair: Ilma Khan

Faculty Session Co-chair: Ms. Zainab Salman

1	Mysha Furqan & Duaa Shoaib Khan Sherwani Learning Alliance International Understanding the impact of human movement, particularly relevant to the space sector and the technological adaptations needed to make space travel sustainable.
2	Daim Ali Khan, Muhammad Abdullah Usman & Uqbah Ahmad Malik Learning Alliance International Sustainable Transportation can be beneficial for the community
3	Musa Waseem, Anaya Awais & Muhammad Taha Beaconhouse Newlands Lahore From Seed to Shelf
4	Alayna Asgher, Mohib Yasir & Muhammad Ibrahim Humza Wazir Learning Alliance International Global Collaboration in Building Resilient Cities: Mitigating and Recovering from Natural Disasters
5	Alayna Rehman Learning Alliance International SDG 15: Life on Land



ALPHA (PYP III – V / Grade III - V)

Session 6

Student Session Chair: Anaya Mehboob

Faculty Session Co-chair: Ms. Arwa Ahmad

1	Ayesha Ahmad, Aamal Faisal & Eshaal Salmaan Learning Alliance International Developing Lahore as a Sustainable City
2	Syed Muhammad Abid Hassan & Musa Tayyab Learning Alliance International Breathable Cities: Our Journey to Sustainable Living
3	Eesa Hussain Lal & Meral Muhammad Butt Learning Alliance International Smart Power for a Greener Future
4	Lyla Raazee & Riyaheen Arshad Learning Alliance International Shaping Tomorrow: Accessing the legacy of responsible consumption and production under SDG 12
5	Adan Fatima, Hashim Chaudry & Syeda Nurshah Zainab Batool Learning Alliance International Renewable energy for a Sustainable Lahore



Session 1

Student Session Chair: Zara Ali

Faculty Session Co-chair: Ms. Mavra Amjad

1	Menaal Bilal & Rania Maqsood Learning Alliance International Ripples of Change: Effect of Climate Action on Water Resources and associated livelihoods
2	Mariam Majid, Tasbiha Ayyaz & Anaya Fatima Kingston College Access to equal opportunities- Gender Inequality and Quality Education
3	Maryam Ashfaq & Zara Osman Learning Alliance International The Ottomans: Elements that made their cities inclusive, safe and resilient at the height of their power, and how we can implement them in modern cities.
4	Amal Ali Learning Alliance International Underage Driving and Overspeeding: Accidents due to underage driving and control measures needed to ensure safer communities. SDG 11
5	Neeyah jawwad Learning Alliance International Can the use of sustainable materials create a positive impact on the environment?
6	Raayan Sajid, Moosa Haider & Aryan Malik Learning Alliance International کھیلوں میں فٹ بال کو اہمیت کی وجہ اور ہاکی اور کرکٹ میں عدم دلچسپی
7	Ahmad Sohail Learning Alliance International Bridging the Wealth Gap: A Data-Driven Approach to Exploring Inequality in Pakistan



Session 2

Student Session Chair: Ayaan Saad

Faculty Session Co-chair: Ms. Asiya Iftikhar

1	Simra Khan, Hafsa Yasir, Rania Abdullah & Fariya Usman Learning Alliance International Globalisation of Goods and Services has affected sustainability of acquiring raw material - The case of Congo
2	Na'aira Shaharyar & Aayat Asmi Learning Alliance International نئی نسل کو اردو بولنے اور سمجھے میں در پیش مشکلات
3	Zainab Abdullah & Alizeh Fatima Learning Alliance International Can sustainable materials be used in the fast-paced fashion industry and how can they impact the environment?
4	Ahil Talha Beaconhouse Newlands If we don't save the planet today We won't be able to Tomorrow. SDG Goal: Responsible Consumption and Production
5	Khadija Shahzad Learning Alliance International Water crisis in Karachi: Negative socio-psychological effects on school children
6	Hibba Ali & Myra Adil Learning Alliance International Whispers of Silence - Raising awareness about deafness promotes inclusion, and helps us support deaf individuals in our community
7	Zainab Abdullah Learning Alliance International Climate action: The Effect of Smog on Humans



Session 3

Student Session Chair: Zoya Ahmed

Faculty Session Co-chair: Ms. Kanwal Khalid

1	Ghanwah Ali Khan Learning Alliance International Understanding the Purpose of Myths and Legends
2	Ibrahim Iftikhar & Ali khari Learning Alliance International مواصلات اور کلچر کر فروغ کے لیے اردو زبان کو کیسے استعمال کیا جا سکتا ہے؟
3	Mohammad Yousaf, Ahmad Irfan & Ali Sohail Learning Alliance International Familial Bonds and Social Perception: Exploring the impact of family ties on individual judgment of social behavior (UN SDG 3, 11)
4	Emaan Murtaza Khan & Ayesha Ali Learning Alliance International Influencer Marketing Effects on Customer Behaviour
5	Saifan Qasim TNS Beaconhouse Gulberg Effect of Globalisation and Sustainability on Global Warming
6	Raima Aslam & Selina Fahd Learning Alliance International Killa Abdullah's poverty trap: reasons why Balochistan's district is stuck in generational poverty (UN SDG 1)
7	Aria Sakinah Bhatti, Ranya Khalid, & Serena Sikandar Minhas Learning Alliance International Raising Awareness about the Internal Conflicts in Balochistan



Session 4

Student Session Chair: Ayra Shahreyar

Faculty Session Co-chair: Ms. Amal Qureshi

1	<p>Naymet Qamar Learning Alliance International Reality vs. Reel-ality: How much influence does social media have on teenagers in Lahore, especially on their lifestyle choices?</p>
2	<p>Shahan Ali Learning Alliance International Quality Education (SDG 4)</p>
3	<p>Musa Ahmad Qureshi & Syed Muhammad Abbas Learning Alliance International To what extent can bamboo replace wood as an eco-friendly material used in interiors?</p>
4	<p>Mir Temur Hassan, Ashaz Hussain Ali Merchant & Rayan Omer Learning Alliance International Refugees in the Israeli-Palestinian Conflict</p>
5	<p>Kashaf Zehra, Jehan Saif Rehman & Deena Ahmed Learning Alliance International Navigating the seas of Social Media trends and their effect on communication styles</p>
6	<p>Alizeh Fatima Learning Alliance International Math for Change: Exploring wellbeing through income analysis</p>
7	<p>Zayan Hussain, Mustafa Khawaja & Ali Hamza Asif Learning Alliance International Uncovering the intricate relationship between historical events and Literature.</p>



Session 1

Student Session Chair: Ayaan Jamil

Faculty Session Co-chair: Ms. Saima Farooq

1	<p>Mesoon Fatima Irfan, Hafsa Arshad Mahmood & Nur Ali Learning Alliance International The Asian Genius Stereotype: Where do Pakistani Students Fall Short? (a comparative study of South Asian vs East Asian academic performance)</p>
2	<p>Mariyam Farooq BCP Gulberg Exploring the 2022 Mega-flood in Pakistan: National Responsibility or Victim of Climate Injustice?</p>
3	<p>Ebrahim Vehra, Khaqan-ul-haq & Zain Ahmed Learning Alliance International How will Starlink's integration into military strategies reshape the nature of future warfare</p>
4	<p>Muhammad Maaz Khan, Joyce Victor & Muhammad Shafay Mansoor Lahore Grammar School Johar Town International Investigating the role mentorship plays in influencing better educational outcomes for younger children</p>
5	<p>Eshaal Tariq Learning Alliance International فیض کی موثر آواز اور اس کے اثرات کاجائزہ، آزادی اظہار پر قدغن Peace, justice and strong institutions</p>
6	<p>Zain Shahzad Learning Alliance International The Economic Impact of the Russia-Ukraine war on inflation in the United Kingdom.</p>
7	<p>Eshaal Ali Learning Alliance International Sustainability of teenagers mental health - A Case of well-being and global interactions.</p>



Session 2

Student Session Chair: Huda Malik

Faculty Session Co-chair: Ms. Nada Yaqoob

1	<p>Ishaq Ashfaq Learning Alliance International How does McDonald's Corporation address the challenges posed by increasing consumer demand for healthier food options?</p>
2	<p>Aiza Merchant Learning Alliance International How can technology be leveraged to integrate traditional water management practices with modern solutions for enhanced effectiveness?</p>
3	<p>Mishaal Saad Lahore Grammar School Johar Town International Menstruation Taboos and Their Impact on Women's Lives</p>
4	<p>Rania Ali Learning Alliance International Decoding Intelligence: Significance of IQ tests and their potential to impact the economic conditions of nations</p>
5	<p>Yumna Sohail Learning Alliance International To What Extent will the Application of Markov Matrices and Probability Distributions Assist the Making of Optimal Investment Choices in the First Three Rounds of Monopoly?</p>
6	<p>Dua Azhar TNS DHA Beaconhouse Sustainable Collaborative Workspaces: Bridging Globalisation with Environmental Responsibility</p>
7	<p>Azka Irfan & Mariyam Omar Learning Alliance International The Impact of Encouraging Self-Stimulatory Behaviors on the Environment of a Classroom (SDG Goal 3)</p>



Session 3

Student Session Chair: Inaam Aqeel

Faculty Session Co-chair: Mr. Aun Nosheen

1	<p>Noor Aftab Barry & Safa Sohail Learning Alliance International Sustainable Trade and Globalisation: The Case of Germany.</p>
2	<p>Muzna Sohail Learning Alliance International The impact of IMF'S 2019 Extended Fund Facility (EFF) on Pakistan's negative Balance of Payments (BoP)</p>
3	<p>Taaha Waseem Learning Alliance International Investigating the central Mass of The Milky Way Galaxy</p>
4	<p>Ayra Khalid Learning Alliance International To what extent can bamboo furniture be feasible to replace regular furniture in Pakistan for sustainability by 2030?</p>
5	<p>Emamah Rehman TNS Beaconhouse Educating an Underprivileged Madrassa</p>
6	<p>Amal Kaleem Learning Alliance International Vape Policies in Higher Education Institutions of Lahore</p>
7	<p>Nuriya Sarah Zaki & Maria Khan Learning Alliance International An Analysis of Shark Overfishing Crisis</p>



GLOBAL PRESENTATIONS

Session

Student Session Chair: Rayyan Butt

Faculty Session Co-chair: Ms. Maryam Saeed

1	Yugveer Dipak, Anika Choudhary & Amaira Kapoor Manav Rachna International School Human activities may affect the organisms of the environment	India
2	Muhammad Sumair Khan & Areg Chagharyan Brookes Moscow, IB World School Affordable and Clean Energy	Russia
3	Shrina Bhalla & Shasna Vasisht Manav Rachna International School Advancing Healthcare in India	India
4	Lyubov Bokor Brookes Moscow, IB World School How did the Jobs Support Scheme in Singapore promote sustainable economic growth and employment opportunities?	Russia
5	Visheshika Grover & Avya Choudhary Manav Rachna International School Empowering Tomorrow	India
6	Sukriti Goyal Mohammad, Mujtaba Hasan Hashmi & Pranaya Batra Manav Rachna International School Unveiling Equity	India



GLOBAL PRESENTATIONS

Session

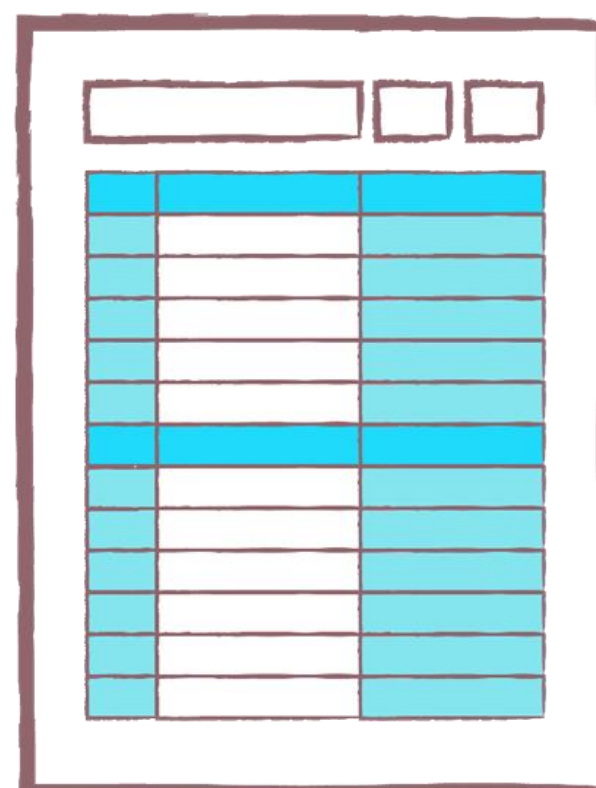
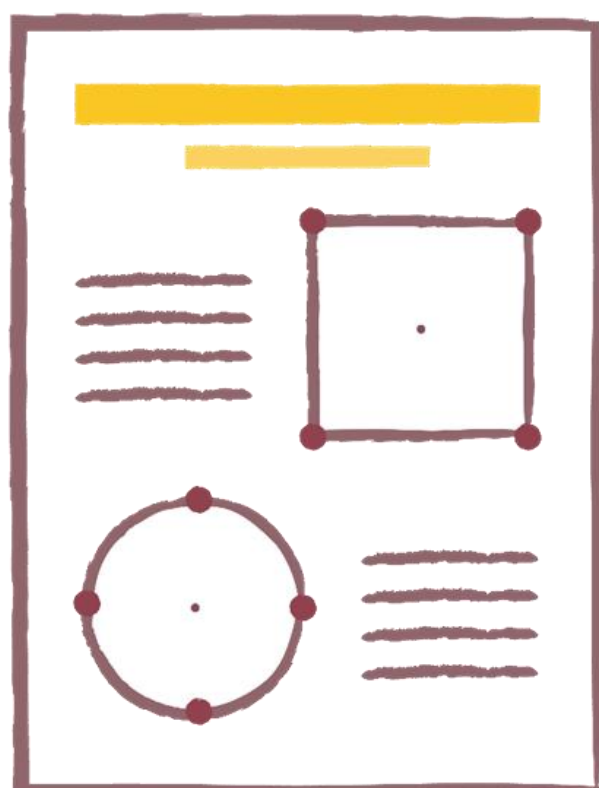
Student Session Chair: Rayyan Butt

Faculty Session Co-chair: Ms. Maryam Saeed

1	Zane Beeai White Oaks Secondary School Evaluating improved electrolysis in an HHO generator by leveraging electrode configuration for improved divergence of an electric field	Canada
2	Ram Kumar Vellachami Brookes Moscow, IB World School How a table brings the world together in relation to Globalisation and sustainability	Russia
3	Gitika Rayasam Global Indian International School Focus on mental well-being in schools	India
4	Vishwanath Sashank Achalla Global Indian International School Hexagonal Planting and Congruence in Crop Production	India
5	Atharva Charaya, Ruaan Gulati & Ryaan Goyal Manav Rachna International School Transforming Tomorrow: Innovative Approaches for Climate Resilience	India



What does a sample proposal look like?



α

ALPHA

(PYP III – V / Grade III - V)





Alpha: PYP III-V / Grade III-V Sample Student Research

PYP III

STATEMENT OF INQUIRY

'Biodiversity relies on maintaining the interdependent balance of organisms within systems'.

RESEARCH RATIONALE

Lines of Inquiry

- Ways in which living organisms are interdependent within an ecosystem
- The consequences of imbalance within ecosystems
- Human actions and their consequences on ecosystem

Connection: How are the organisms in the ecosystem connected?

Causation: What happened when there was an increase or a decrease of a specific species in the ecosystem? So What?

Impact: What were some of the effects of a change in the population of a species within the ecosystem?

Responsibility: What steps can be taken to save their habitats?

Global Context: Globalization & Sustainability - Environment

Focus: Endangered Species in Pakistan (IBEX, Indus River Dolphin etc)



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METHODOLOGY:

Secondary research, Interview, Photo statics



Alpha: PYP III-V / Grade III-V Sample Student Research

PYP IV

STATEMENT OF INQUIRY

"Our systems of food resources and waste management can have a great impact on sustainability."

RESEARCH RATIONALE

Lines of Inquiry

- Where does our food come from? Can we have an unlimited supply of food? What are the alternate food resources?
- Our current system of waste management impact the environment, and what strategies can we use to reduce waste and improve sustainability?

Connection: How do our current systems of food production and distribution affect the environment, and what steps can we take to make them more sustainable?

Causation: What are some of the most significant sources of food waste in our society, and how can we reduce or eliminate them?

Impact: What are some of the negative consequences of food waste, both for the environment and for society as a whole?

Responsibility: How can we encourage individuals, businesses, and governments to prioritize sustainability in their food-related decision making, and what barriers must be overcome to achieve this goal?

Global Context: Globalization & Sustainability - Culture

Focus: Alternate Food supply systems & significant sources of food wastage



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METHODOLOGY:

Secondary research - Articles, Interview, Case Study, Photo statics

β

BETA

(MYP I – IV / Grade VI - IX)





Beta: MYP I - IV / Grade VI - IX

Sample Student Research

MYP III

STATEMENT OF INQUIRY

“Urban planning with environment as a focus can help achieve sustainable development goals”

RESEARCH RATIONALE

Lines of Inquiry

- Planned cities are a great tool for enforcing sustainable development.
- Urban planning helps with SDGs.

Global Context: Globalization and Sustainability - Environment

Focus: Planned cities, their examples from all around the world and suggestions for Pakistan and case studies to support the essay.



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METHODOLOGY:

Primary research: Semi-structured interviews (qualitative research)

Secondary research: Research articles, newspapers, review articles, encyclopedias, and meta analysis.

<p>Interview Questions: Assistant Commissioner</p> <p>I understand that this interview is part of a research study by Students of Learning Alliance International (LAI). The purpose of this research is to get insight from the stakeholders on their perceptions of how planning for sustainable cities.</p> <p>I understand that my participation is voluntary and that I can stop or withdraw at any time. I also agree to the transcription and recording of this interview.</p> <p>I agree to provide information to the researcher on the understanding that this information will only be used for this research and that my name will not be disclosed in any publications arising from this research project without your consent.</p> <p>Name: Waqar Us Salam Designation: Assistant Commissioner Organization: Pakistan Administrative Service (PAS)</p> <p>Question 1: How do you define a planned city? / What is your understanding of a planned city? A city that is designed keeping in mind a pattern and vision for future activities.</p> <p>Question 2: What are some of the key features that distinguish it from an unplanned one? 1. Planning 2. Consistent 3. Provides access to all essential services and amenities for people residing in it. 4. Able to accommodate increase in population.</p> <p>Question 3: What are some of the key strategies that are taken into account while planning a city? 1. Action oriented process 2. Designed and realized through participation of all stakeholders 3. Those components who have knowledge about how to promote sustainable growth in cities and their surrounding regions to improve the quality of life for all citizens.</p> <p>Question 4: In what ways can planned cities contribute to sustainable development?</p>	<ol style="list-style-type: none"> Nature based solutions. Sustainable urban transport Smart solutions can improve urban livelihoods. Individual action for from the population leading to healthy environment. <p>Question 5: In your opinion, how can planned cities incorporate sustainable development? 1. Nature based solutions. For example, New York City's green roofs and parks and China's coverage of 'sponge cities' cities with open spaces that can soak up floodwater and prevent disaster in ecologically friendly ways. 2. Sustainable urban transport can include giving priority to bicycles over cars as in Copenhagen. 3. Smart solutions can improve urban livelihoods. Living in a formal settlement means having a proper address and a bank account, making it easier to sign up for basic services such as water and energy services. 4. Collaborations of state, private and non-government bodies. For example, Brazil enacted a City Statute and implemented a Ministry of Cities in 2003 to direct urban planning and to make it more sustainable and inclusive. Countries are also coming together on an international level, for example at the United Nations Conference on Housing and Sustainable Urban Development (Habitat III) in which 197 countries participated to focus on sustainable urban development and adopted the "New Urban Agenda".</p> <p>Question 6: What role can an Assistant Commissioner play in planning a sustainable city? 1. Act as a representative of the Government of Sindh Division Level 2. Supervise and coordinate with the law department in implementing Government Policies. 3. Oversee law and order of the Sindh Division and keep posted the Deputy Commissioner. 4. Supervise duties pertaining to Public, merchandise removal, Civil Service, Traffic, police, Public Health related issues etc. 5. As Assistant Commissioner, you can ensure improvement in quality of Public Places like parks, roads, hospitals, schools, sports grounds, government offices and ensure regularity and sustainability of these places. 6. As Assistant can improve public spaces by making it more green and also providing facilities from fountains and vehicles. 7. Ensure equitable land zoning between commercial residential and agricultural for sustainable living and consumption patterns.</p>	<ol style="list-style-type: none"> Implement Green infrastructure by making sustainable building by laws. Support Urban Planning Encourage sustainable as low transport and improving land quality and activities of public by implementing Smart quality design laws. <p>Question 7: What is the biggest problem that a developing nation like Pakistan face in planning sustainable cities today? Mismanagement and misuse of resources because of varying social interests and priorities.</p> <p>Question 8: Can you name any three cities across the world that are well planned? 1. Copenhagen 2. Vienna 3. New York</p> <p>Question 9: What technologies and software systems are being used in urban planning in Pakistan? 1. Geographic Information System (GIS) 2. Information and communication technology (ICT) 3. Sensors</p> <p>Question 10: Are you aware of any urban planning projects currently underway in Pakistan to promote sustainable development? Yes I am not sure.</p> <p>Interview Questions for Architect</p> <p>I understand that this interview is part of a research study by Students of Learning Alliance International (LAI). The purpose of this research is to get insight from the stakeholders on their perceptions of how planning for sustainable cities.</p> <p>I understand that my participation is voluntary and that I can stop or withdraw at any time. I also agree to the transcription and recording of this interview.</p> <p>I agree to provide information to the researcher on the understanding that this information will only be used for this research and that my name will not be disclosed in any publications arising from this research project without your consent.</p>	<p>Name: Imadul Karim Designation: Founder/Principal Architect Organization: Spectrum Architecture Design</p> <p>Question 1: How do you define a planned city? / What is your understanding of a planned city? A planned city integrates building resources, including technology, building health, community needs, and community health together to form a well-regulated system.</p> <p>Question 2: What are some of the key features that distinguish it from an unplanned one? An unplanned city is specific in its growth and layed out in implementing its conditions.</p> <p>Question 3: What are some of the key strategies that are taken into account while planning a city? Leading to the people at first, the social classes that exist and how they are supposed to co-exist. The role of growth of the population.</p> <p>Question 4: In what ways can planned cities contribute to sustainable development? The linkage with the political and economic system need to be identified first. With the characteristics of individual capabilities, planning a city would not have any form as the role of the government would have to be changed with the demands of population consistency. Only a planned economy can produce a planned city.</p> <p>Question 5: In your opinion, how can planned cities incorporate sustainable development? We must first understand what sustained development actually is. Architects and urban planners also agree to design 'sustainable' housing and communities with the inclusion of green infrastructure but there are temporary solutions to a larger problem. I think about this in my paper.</p> <p>Question 6: What role can an architect play in planning a sustainable city? The architect must at first assess the topography in relation to the client's demands and wishes. But to do that they must be aware of building techniques and materials that contribute toward green living or create low-impact that also is.</p>
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Beta: MYP I - IV / Grade VI - IX

Sample Student Research

MYP IV

STATEMENT OF INQUIRY

“Social entrepreneurship can lead to societal transformation and help in creating sustainable societies, especially in developing nations like Pakistan. Discuss”

RESEARCH RATIONALE

Lines of Inquiry

- Social entrepreneurship and its effect on society as a whole.
- Challenges faced by social entrepreneurs.
- Creating sustainable societies.

Global Context: Globalization and Sustainability - Society & Economy

Focus: Interviewing social entrepreneurs as cases and their examples from all around the world, and from Pakistan. Case Studies to support the essay.



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METHODOLOGY:

Primary research: Semi-structured interviews (qualitative research)

Secondary research: Research articles, newspapers, review articles, encyclopedias, and meta analysis.

<p>MYP IV - Survey: Social Entrepreneurship</p> <p>I understand that this interview is part of a research study by students of Learning Alliance International (LAI). The purpose of this research is to get insight from the stakeholders on their perceptions of new planning for sustainable societies.</p> <p>I understand that my participation is voluntary and that I can live or withdraw at any time. I also agree to the transcription and recording of this interview.</p> <p>I agree to provide information to the researchers on the understanding that this information will only be used for this research and that my name will not be disclosed in any publications arising from this research project without prior consent.</p> <p>Name: Benazir Ahmad Designation: Co-founder King Organisation, King</p> <p>1. What is social entrepreneurship according to you? For me, a Social entrepreneur is an organization that works largely on social problems and challenges and solves them through a sustainable business approach.</p> <p>2. What is the significance of social entrepreneurship in today's world?</p>	<p>3. What is the significance of social entrepreneurship in today's world? In recent times we have seen that the global world is facing various challenges especially due to climate change. Our ecosystem is changing rapidly and it requires us to create solutions that are sustainable and overcome the challenges that we all will have to face. Young minds need to think in a solution-oriented approach and come up with social enterprises that solve our modern-day problems with modern-day solutions involving technology.</p> <p>3. Do you think social entrepreneurship can aid in creating sustainable societies? Yes, it definitely can be a strong means to create sustainable societies. However, it needs value challenges and its foundation and values are in the right place.</p> <p>4. If you, what is the role of social entrepreneurship in creating sustainable societies? Every society needs localized solutions that individually solve its unique challenges. Social entrepreneurs have the mandate to create such solutions which will lay the foundations of such societies and ecosystems.</p>	<p>5. Do you consider yourself as a social entrepreneur? If yes, why? Yes, because I am part of the ecosystem that is trying to solve the food waste and food security problems in my country.</p> <p>6. What are the challenges of social entrepreneurs in Pakistan? Social enterprises have legal and compliance issues when it comes to registration. They do not have any separate classification for registration. Not many people are willing to invest in such ideas because they do not reap high profits. Incubators are few for starters. The ecosystem is still in its early stages.</p> <p>7. Do you think social entrepreneurship can lead to societal transformation in Pakistan? Yes, this is a way of thinking. This is a different approach altogether. This demands us to think about not only our profits but to strike a balance and care about our society and the planet at large. If done rightly we can witness a significant change in the Pakistan ecosystem.</p> <p>8. Why is social entrepreneurship needed in developing nations like Pakistan?</p>	<p>8. Why is social entrepreneurship needed in developing nations like Pakistan? Like the global world, Pakistan is also facing the consequences of all the problems the world has created in the last century. We are facing water scarcity, climate change crisis, environmental and air quality problems, and food security challenges. We need to think about how we need to evolve in the future and what the right approach is.</p> <p>9. What is its impact on the global world? Please provide examples, if any. Problems are the same across the globe due to high globalization. If we develop a solution for a certain problem in Pakistan, the same solution can likely work for India or regions with similar demographics. Our solutions can have a huge impact. We have seen in the recent past how certain ride-sharing platforms such as Uber and Careem were able to rapidly scale their solutions in different countries and solve a major transport problem.</p> <p>10. What message would you want to give to budding social entrepreneurs? We all need to develop a solution-oriented approach toward our challenges. We must think about how we can develop solutions using modern-day techniques and technology to solve these problems.</p>
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GAMMA

(MYP V – DP II / Grade X - XII / O II - A II)



Gamma: MYP V- DP II / Grade X- XII / O II - A II

Sample Student Research

DP I

STATEMENT OF INQUIRY

“Investigating the presence of heavy metals in water and its impact on health.”

RESEARCH RATIONALE

Lines of Inquiry

- Detecting the presence of heavy metals in water.
- The effect of consuming metals on health.
- Methods by which heavy metals can be removed from drinking water.

Global Context: Globalization and Sustainability - Environment

Focus: Detecting the presence of heavy metals in water and the impact of consuming metals on health. Research on methods by which heavy metals can be removed from drinking water through experimentation.



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METHODOLOGY:

Secondary research: Research articles, newspapers, books, documentaries and meta analysis.

<p>Introduction</p> <p>Heavy metals are a group of metallic elements that have a high density, atomic weight, and toxicity. The term "heavy metals" is not precisely defined, but generally includes elements with an atomic number greater than 35, such as lead, mercury, cadmium, arsenic, chromium, and nickel.</p> <p>Heavy metals are found naturally in the environment, but human activities such as mining, manufacturing, and agriculture can increase their concentrations in the soil, water, and air. Exposure to heavy metals can be harmful to human health, particularly to the nervous system, kidneys, and liver. Heavy metals can also be toxic to plants and animals.</p> <p>Heavy metals in drinking water have received considerable attention as technology continues to advance. Heavy metals are most commonly acquired by humans through contaminated drinking water. The effects of drinking water contaminated with heavy metals like arsenic, lead, nickel, cadmium, and mercury have widely gotten the attention of the right departments and people.</p> <p>It is generally recognized that exposing heavy metals in a number of industrial processes and a variety of materials, such as coloring agents and pigments, results in occupational exposure to these metals. Drinking water polluted with heavy metals has been linked to a number of harmful consequences on human metabolism that have been documented globally. The persistence of toxic trace organic species, the emergence of oxidative damage, and consequent negative consequences on health are the main concerns by which heavy metal poisoning manifests. As a result, heavy metal contamination of water leads to high rates of sickness and mortality all across the world.</p> <p>Effects of heavy metals on metabolic functions</p> <p>Metabolism is being things can be negatively impacted by heavy metals. Heavy metals are elements that have a high atomic weight and density, like lead, mercury, cadmium, arsenic, and chromium. These metals can collect in the body over time and disturb different metabolic cycles, prompting an assortment of medical conditions.</p> <p>By consuming with the activity of enzymes, heavy metals can affect metabolic functions in our body. Heavy metals can lead to lower metal ion and prevent enzymes from functioning properly, as many enzymes require metal ions as cofactors to function properly. Problems with energy metabolism, protein synthesis, and other cellular processes may result from disruptions in metabolic pathways that are dependent on these enzymes.</p> <p>Weighty metals can likewise disturb cell signaling pathways, which can influence metabolic capabilities. The cadmium, heavy metals can disrupt the insulin signaling pathway, which directs glucose regulation. Heavy metals have the potential to disrupt this pathway, resulting in insulin resistance and impaired glucose tolerance, both of which can contribute to the onset of type 2 diabetes.</p>	<p>Additionally, heavy metals can contribute to oxidative stress, which is characterized by an imbalance between the body's capacity to neutralize reactive oxygen species (ROS) and its capacity to produce ROS. This can cause a variety of health issues, including inflammation, cardiovascular disease, and cancer, as well as damage to cells and tissues, including those involved in metabolic functions.</p> <p>In general, the impacts of heavy metals on metabolic capabilities can be cultural and complex and can add to an assortment of medical issues. To limit the damage added to heavy metals, it is critical to limit the utilization of these components and to do whatever it may take to help metabolic well-being, like eating a healthful diet, practicing consistently, and minimizing feelings of anxiety.</p> <p>Effects of Heavy Metals on the Human Body</p> <p>Exposure to a high amount of weight and density are known as heavy metals. While some of these metals, like iron, zinc, and copper, are necessary for human health in trace amounts, others, like lead, mercury, cadmium, and arsenic, are toxic and can harm human health. The effects of heavy metals on the human body include the following:</p> <p>Effects on the brain: Arsenic, lead, and other heavy metals can accumulate in the brain and harm the nervous system. Neurological conditions like tremors, memory loss, and cognitive impairment may result from this.</p> <p>Effects on the heart: Exposure to heavy metals like lead and cadmium can prompt hypertension, coronary illness, and other cardiovascular issues.</p> <p>Kidney harm: The most common can be damaged by heavy metals that build up in the kidneys. This can prompt kidney dysfunction, ongoing kidney illness, and other related problems.</p> <p>Problems with reproduction: Reproductive issues such as infertility, miscarriage, and birth defects can result from exposure to heavy metals like lead, mercury, and cadmium.</p> <p>Cellular/metabolic issues: Heavy metal poisoning may also cause pathological issues like stomach ulcers, liver toxicity, and anemia.</p> <p>Problems with the immune system: Coughing, wheezing, and distress of breath can be symptoms of respiratory problems brought on by heavy metals like lead, cadmium, and arsenic.</p> <p>Skin issues: Dermatitis, rashes, and irritation of the skin can be caused by heavy metals.</p> <p>Cancer: Cancer risk has been linked to exposure to heavy metals like arsenic, lead, and cadmium.</p>	<p>Detection of Metals in H₂O</p> <p>Data obtained from electrochemical measurements can be analyzed using various techniques such as cyclic voltammetry, amperometric voltammetry, and stripping voltammetry to determine the identity and concentration of metals. These metals in water.</p> <p>In addition to this, a simple method that can be performed in any laboratory in the addition of color solutions easier to detect the presence of metals. Here, we will discuss only one method for the detection and quantification of metals in water samples. The color is a strong oxidizing agent that can oxidize many metals and form metal ions, which can be determined using a spectrophotometer.</p> <p>Here are the general steps for detecting metals in water using color tests:</p> <ol style="list-style-type: none"> 1. Collect the water sample: Collect a representative water sample from the source of interest, taking care to avoid contamination. 2. Analyze the water sample: Add a small amount of this acid to the water sample to acidify it. This helps to dissolve any metals that may be present in the water and prevents them from precipitating out of solution. 	<p>1. Observe the sample in brown NO₂ gas will be released if the metal is present in the water. Be careful in the brown gas to look for each step.</p>  <p>Results + Conclusion</p> <p>Judging from the fact that this particular water sample that was used did not give off any brown NO₂ gas, we can conclude that the village from where this sample was collected was just one of the many villages in Pakistan that have not had their water coming through them. This water is most likely consumed by the village and the health of the village which can result in disaster consequences.</p> <p>For this reason, by filtering water, you can remove or reduce these contaminants, making the water safe to drink. This is particularly important in areas where access to clean water is limited, or where natural water sources may be contaminated by human or industrial activities. Filtering water can also improve its taste and smell, making it more pleasant to drink.</p> <p>Overall, filtering water is a simple and effective way to ensure that the water you drink is clean, safe, and healthy.</p>
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Additional Information:

- All confirmed delegates must register for the conference by **Thursday, 30th January, 2025** to confirm their presentation spot.
- All proposals must have the school and a point-of-contact's name and details included.
- The same school or institution may submit a maximum of **six proposals** combined in all the three categories.
- Student presenter delegates can be of between **1- 3** individuals per presentation
- All delegate shall have **5-7 minutes** to present their research project including the topic, methods and findings of their research.
- Presenters may have questions posed to them pertaining to the presented project
- All presenters shall be allocated an IB Ripple student moderator to support them on the day of presentation.
- Schools shall be required to nominate a chaperone for accompanying the presenter(s) to Learning Alliance International Campus

Terms and Conditions:

- All presenters must be available to present any time during the IB Ripple Global Conference on the conference day. For online presenters, a link shall be provided
- All presenters must comply with the timelines and guidelines shared by the IB Ripple team upon session confirmation, to ensure a successful experience
- The layout of rooms shall be cabaret style with all presenters having provision of multimedia board and internet.
- Presenters are suggested to design their presentations in MS Powerpoint. In case of using any other tools such as Photoshop etc. it would be the responsibility of the presenters to ensure that they can access their presentations with all its features.
- Additional information on presentation room specifications will be provided upon approval of the session presentation.
- It is the responsibility of participating schools to ensure that the submitted proposals are based on original research, free of plagiarism and should not raise any ethical concerns.
- IB Ripple team holds the right to disqualify or restrict participation if any case of plagiarism or infringement of academic and individual rights appeared
- All presenters shall be required to sign an academic honesty declaration before the event once they are notified of their confirmed participation.
- It is the responsibility of the participating schools to send accurate details of the participating students.



IBRIPPLE

GLOBAL CONFERENCE 2025

A PROJECT OF LEARNING ALLIANCE INTERNATIONAL

7th & 8th February, 2025

(Hybrid Mode)

A Global Platform for Celebrating Research Acumen of Young Learners

Key Dates:

- Closing Deadline for the Call for Presentation Proposals: **Monday, 20th January, 2025 @ 10:00 am PST/ 06:00 pm GMT**
- Results for Finalised Presentations Sent to Schools by IB Ripple Review Team: **Wednesday, 22nd January, 2025**
- Deadline for Delegate Registration by Finalized Presenters: **Thursday, 30th January, 2025**
- Conference Presentations Book with Presenter Details & Event Plan to go Live World-wide: **Thursday, 6th February, 2024**
- Deadline for Submitting the Presentations to LAI: **Thursday, 6th February, 2024 @ 10:00 am PST / 06:00 pm GMT**

Conference Theme:

Globalisation & Sustainability



Scan the QR Code to submit a presentation proposal

Institutional Contact:
info@ibripple.com

- Presenters shall be evaluated for a category of **student awards**
- Presenters shall get an opportunity to **publish their research** in the IB Ripple journal.
- Presenters shall be awarded a '**Certificate of Presentation**' endorsed by both Learning Alliance International & **University College London, UK**