

# PROGRAMME

FRIDAY December 7, 2018

08:45–09:00 Registration

09:00–09:15 Opening Remarks

Habib Sayegh, CEO, Sayegh Companies

09:15–10:15

**Theme 1. Using Problem-based Learning to Up Your NGSS Game**

To help prepare students for their next steps in school and beyond, students need to be 'doing' science and seeing how it fits into their daily lives.

Presented by Michael Padilla

10:15–11:15

**Theme 2. Make Maths Visible, STEM-up Your Learning Environment: Integration by Design**

Through multiple modalities provided by Envision Math to attain conceptual understanding, this session takes advantage of the STEM project, project-based learning, and visual learning to build a foundation for both maths practices and students' confidence to think on their own.

Presented by Dr Mahdi Mansour

11:15–11:30

Coffee Break

11:30–13:00

**Theme 3. القراءة المتدرّجة**

تفعيل المطالعة في المدارس وتحفيز الطلاب على القراءة.

Presented by Talal Sweid

13:00–14:00

Lunch

14:00–15:00

**Theme 4. Inquiry and Scientific Practices: Keys to Getting Students to Think**

This session details how the new standards will focus on inquiry and practices and will outline teaching strategies to develop these important ideas.

Presented by Michael Padilla

# PROGRAMME

**SATURDAY**      **December 8, 2018**

09:00–10:00

## Theme 5. International Arab Baccalaureate – Preparing Our Students for Life

The International Arab Baccalaureate is a high-standard educational programme, equivalent to the GCE A Level standards. This session covers the implication of the cross-disciplinary project, one of the three types of assessment in the IAB.

Presented by Joe Ephrem

10:00–10:45

## Theme 6. Power Maths and ActiveLearn Primary

A demo of the new Power Maths series, an exciting whole-class mastery approach that works for every child, and how this can be delivered through the ActiveLearn Primary platform.

Presented by Berwyn Jones

10:45–11:00

Coffee Break

11:00–11:45

## Theme 7. ActiveLearn Secondary

A demo of the ActiveLearn Secondary platform and how this can be used to deliver the Lower Secondary series, Maths Progress and Exploring Science.

Presented by Berwyn Jones

11:45–12:45

## Theme 8. Panel Discussion: Impact of STEM on School Level, Students, Teachers and Management Staff

Over the past few years, many studies have been conducted to show the progress of academic achievement for STEM students. This panel session will discuss the impact of STEM on students, teachers and school management staff.

**Moderator:** Joe Ephrem, IAB Operations Manager

**Panellists:** Enas Fawzy Soliman, School Director, Kenana International School - Egypt  
Sarah Hajj, Math Coordinator, Collège Notre Dame de Louize - Lebanon  
Mohamad Saad, Director of UK curriculum, Ajyal Inetrnational School - UAE  
Mudar Al Dusoki, Head of Math department, Bunat Al Ghad Academy - Jordan

12:45–13:30

## Theme 9. International A Level

An overview of the international A Level portfolio.

Presented by Berwyn Jones

13:30–14:30

Lunch

**SATURDAY**      **December 8, 2018**

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## NOTES

FRIDAY

**December 7, 2018**

## PROFILES

**Habib Sayegh**

CEO, Sayegh Companies



Habib Khalil Sayegh is CEO of Sayegh Companies, based in Lebanon with associated companies in more than 18 countries.

Habib Khalil Sayegh graduated from the University of Cambridge in the UK with a Master's degree in Business Administration in 1994, a Master's degree in Arts in 1990 and a Bachelor's degree in Arts (Hons) in 1987.

At present, the Sayegh group employs over 650 highly-trained personnel. The cornerstone of Sayegh's pride is its famous collection of over 700 dictionaries and encyclopaedias, published by Librairie du Liban, founded in 1944 by Habib's father, the late Dr Khalil Sayegh, and his late brother Georges Sayegh. Other major achievements are the York Notes, the number one guide to English literature in the UK, the publication of the superb Ladybird series in Arabic, the Butterfly series, and the complete works of leading authors in Arabic literature, including Nobel Prize winner Naguib Mahfouz.

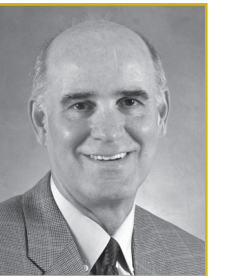
Since 1999, Sayegh's contribution to the field of education has increased significantly with the establishment of the Educational Research Centre (ERC). ERC participates in a number of projects with governments.

Sayegh is closely associated with the world's leading education company, Pearson Education Limited. Sayegh and Pearson have established an enduring strategic relationship which began in 1945 between the founder Dr Khalil Sayegh and Longman & Green.

In the last five years ERC has launched a number of ambitious Pan-Arab initiatives, the flagship programme of which is the International Arab Baccalaureate (IAB), and has invested heavily in the development of e-learning and e-assessment platforms and materials.

## Michael Padilla

Professor Emeritus, University of Georgia and Clemson University



Michael J. Padilla has taught science at middle and secondary school, has expertise in middle school teacher education and has served as one of the writers of the US National Science Education Standards, released in 1996. He has extensive leadership experience, having served as PI on numerous NSF and US Department of Education grants for a total of over \$35 million in funding. In recent years he has focused on the issue of English Language Learners as the Director of the Center for Latino Achievement and Success in Education. He served as president of the National Science Teachers Association, the world's largest science teaching organisation, in 2005-6. Padilla was the lead author of the Prentice Hall middle grades science programme, Science Explorer, and is an author of Pearson's Interactive Science and Elevate Science K-8 programmes.

**Dr Mahdi Mansour**

Consultant, Professor, Trainer, Educator, Writer



Dr Mahdi Mansour is an educational consultant and a university professor. He lectures and researches in the fields of maths and science education. He holds a PhD in Physics, a Bachelor's degree in Literature, a diploma in STEAM education and a diploma in Science Communication. Certified in STEAM education, Dr Mansour trains teachers to design interdisciplinary lesson plans, prepare hands-on, minds-on enrichments and structure project-based learning through the design process. He is also an expert in blended learning and many other teaching strategies. His daily mission is to transform rigid educational systems by gradually changing the mindsets of educators.

Dr Mansour's own background in STEM, combined with his passion for education and talent for poetry (putting the "A" in STEAM), make him a 'Renaissance Thinker' in education, according to Ben Koch, the co-founder of Numinds Enrichment.

With expertise across various disciplines and proficiency in linguistics and creative writing, he is now a science writer and author, in addition to running successful sessions and participating in many symposiums, training programmes and workshops.

Currently, Dr Mansour is an educational developer and science coordinator at the Lycee national schools, a lecturer at the Lebanese University, a freelance trainer at Pearson Education Limited and a frequent keynote speaker at several educational conferences. He has actively participated in, organised and supervised projects at several local and international science fairs.

Dr Mansour has innovated a new teaching strategy, the Light Ball Strategy (LBS), published many papers and nine books across the fields of science and literature.



# PROFILES

## Talal Sweid

Educational Consultant  
Ministry of Education and Higher Education



Talal holds a Master's degree in Arabic Language and Literature. He is a coordinator in educational guidance at the Ministry of Education and Higher Education in Lebanon, a trainer at the Faculty of Pedagogy at the Lebanese University, a professor at the Faculty of Law and Political and Administrative Sciences, a member in the review committees of the official exams in Lebanon, a member in the international summit for the maintenance of the Arabic language and a supervisor-coordinator in many private educational institutions. He holds several certificates in different fields related to education and teaching.

## Berwyn Jones

Head of Primary Maths Learning Services,  
Pearson UK



Berwyn is Head of Primary Maths Learning Services at Pearson and leads the team behind Power Maths and Abacus. He has over 10 years' experience in maths educational publishing, **working across Primary and Secondary.**

## Joe Ephrem

IAB Operations Manager



Joe graduated from the University of Balamand with a Master's degree in Chemical Engineering – Chemical Manufacturing. Joe started his career as a part-time junior editor at the Educational Research Centre, a leading publishing house in Lebanon and the MENA region. His passion for this field drove him to become the International Arab Baccalaureate (IAB) officer, and a few months later, the IAB Operations Manager.

Since 2012, Joe has been working on projects with worldwide education projects and companies, such as IAB benchmarking studies (with UK NARIC) for Lebanon and KSA, the Cognitive Abilities Test CAT4 (with GL Education) for the Omani Ministry of Education, psychometric consultancy for the National Assessment and Evaluation Centre in Muscat (with Pearson Education), Curricula Mapping with International Curricula – Arab National Curricula vs International Quals – for Lebanon, Egypt and KSA, and is a board member of the National Assessment Consultancy Project for Education 2.0 (with Pearson Education and York Press) for the Egyptian Ministry of Education.

On a daily basis, Joe works on studying, marketing and overseeing the implementation of the IAB in Lebanon, KSA and potential Arab countries, setting up all IAB Governance Board meetings and training the teams of editors, teachers, university professors and **assessment professionals in Lebanon and the Arab countries.**

# PANELLISTS

## Enas Fawzy Soliman

School Director  
Kenana International School, Egypt



Enas Fawzi is the Vice General Manager, and a Stakeholder of her Family School, at The International Schools of Kenana, American Division. She is a graduate of The American University of Cairo, with Bachelor Degree that majors in Accounting, and a minor Psychology. Enas Fawzi is turning her school into a massive and reliable educational edifice through various practices, namely; online School Management and Learning System, online resources of the school books, standardized assessments, a student-adaptive individualized learning platform for improving academic performance, Arabic and English reading programs and community service implementation. In addition, as she is keen on widening the scope and perspectives of her students and on keeping them future-oriented and internationally competitive, she introduced a thoroughly planned STEM curriculum in her school.

## Mohamad Saad

Director of UK curriculum,  
Ajyal International School - UAE



Mohamad Saad has been in the education sector for more than twenty years. He worked in leadership positions in schools that follow the American curriculum, British curriculum, the IB diploma, and UAE curriculum. His last 11 years have been in senior management: program manager/interim campus director, business manager, and principal in international schools, local schools with international programs, government body, and higher education institute. He is a strong believer in STEM in schools; STEM that supports teaching and learning, not to substitute or replace.

He holds an MBA in leadership from University of Northampton, a PGD in finance and accounting from University of Liverpool, and bachelor's degree in English language from the Lebanese University.

## Sarah Hajj

Math Coordinator  
Collège Notre Dame de Louize, Lebanon



As a mathematician, the research in teaching mathematics has always been an intriguing field for me, I have always had question about how to mathematics & the teaching techniques can shape the minds of our students who are to become the future leaders one day.

My track went from pure mathematics to computational sciences, and then into research in education, especially in mathematics education. Along this journey, between both the private & public sectors in the home country Lebanon, I went from teacher, to coordinator, to researcher and I still seek the undiscovered passion in each of them.

My passion for teaching took me far, and is still taking me, one thing is for sure, it is that the educational field is a forever changing model, needs to be adapted with the specifications of the generations and their ability to cope well with everything going around, up the originality of every student and his learning styles.

Once we have all this mind, we know that we are set on **the right track.**

## Mudar Al Dusoki

Head of Math department  
Bunat Al Ghad Academy - Jordan



Mudar Shabieb Musa Dusokie graduated with a first class BSc degree in Mathematics, Physics and Electronics. Since 2012 he has worked as a Mathematics coordinator and technical academic advisor at Bunat Alghad Academy International School, where he is also a Grade 12 Maths instructor. His responsibilities have included recruiting, evaluating and training staff, designing curriculums and directly assisting students. He is also a CIPP and Edexcel examiner, and has **completed O-level and IAL training.**