

## CAMPUS PRINCIPAL'S MESSAGE

The brains of some children have difficulty in receiving and responding to information that comes in through the senses in a phenomenon known as sensory processing disorder. Normal sounds may be painful or overwhelming and the labels of a shirt may irritate or chafe their skin at the back of the neck.

The disorder is usually identified in children but can affect adults. Those affected can be overly sensitive to sensory input such as high intolerance of noise of a leaf blower, screaming when touched and recoiling from the textures of certain foods or clothing. It can also be the reverse where they might be unresponsive to stimuli around them such as an inability to respond to extreme heat or cold or even pain.

### Benefits of music in education

As part of the interesting curricula that we offer in Matrix Global Schools, we allow all our students to participate in weekly music lessons from Early Years up to IGCSE. These lessons allow our students to have many opportunities to develop their composition and performance skills, enabling them to be confident in using and performing with various instruments (including their voices). However, there are many other benefits to teaching our students music as part of the school curriculum. Some of them are:

#### Develops creativity and self-expression

Our lessons allow our students to be creative and to express themselves in different ways when composing and performing. While students will be working towards the same learning objectives, our students will be able to use their imagination, experience and feelings as they work with different instruments to complete learning activities. This also allows them to learn that there may not only be one way in solving a problem.

#### Improves social skills

While there are opportunities for students to practice and perform by themselves, music lessons provide various chances for our students to work in pairs, groups or even as a whole class. Through practice and rehearsing, students will develop their skills in communication, cooperation and adaptability as they work towards creating their own performances.

## THIS WEEK'S TOPICS

1. MESSAGE FROM THE HEAD OF MIS : MR. ANDREW HAMILTON
2. DR. CHONG MEE YOKE : MALAYSIA TORAY SCIENCE FOUNDATION COMPETITION
3. MIS : IPC ENTRY POINT - CHOCOLATE
4. MIS : ADDING AND SUBTRACTING UP TO 100
5. MPS : CREATIVITY IN ARTS
6. MIEY : BAKE IT
7. BOARDING HOUSE : MID-AUTUMN FESTIVAL
8. CCA : SCIENCE EXPERIMENT CLUB
9. CCA : SPORTS COMMITTEE

The exact cause of sensory processing problems has not been identified and the disorder is not yet recognised as a medical issue. Thus, families with an affected child find that it is hard to get help. At the moment, treatment sessions are tailored to the child's needs. For instance, if the child tends to under-react to touch and sound, the parent needs to be very energetic in play sessions with them. However, if the child tends to overreact to touch and sound, the parents will need to be soothing to calm them down.

Most children with sensory processing disorder start out as fussy babies. They become anxious as they grow older and cannot handle change well. They may frequently throw tantrums or have meltdowns. The success of the treatment is crucial for them to overcome challenges and parents and teachers have to be extremely patient.



## MESSAGE FROM THE HEAD OF MIS - MR. ANDREW HAMILTON

### Develops resilience

Working with instruments and creating musical performances takes great time and effort. Famous musicians like Wolfgang Amadeus Mozart, Bob Marley and Ed Sheeran did not achieve success in one day. They would have faced many challenges in their strive towards being great composers and performers. If not for their resilience, they would most likely not have created some of the musical masterpieces that are as loved as they are today. Therefore, it is important that we develop this resilience in our students so that they keep going even when they find it tough or experience failures.

We provide many opportunities for our students to take what they learn through our music lessons and put them into practice. Students are given the chance to perform during our assemblies, school production, school celebrations and graduations. We also look forward to other events this year like musical recitals and a talent show to allow our wonderful students to showcase their musical talents to the rest of the community.

## CAMPUS PRINCIPAL'S MESSAGE TRANSLATED

一些儿童的大脑难以接收及回应通过感官接受到的信息，这种现象被称为感觉统合障碍。当衬衫的标签擦伤他们脖子后面的皮肤时，一般来说大家都会觉得刺痛或不舒服。

这种症状通常发生在儿童身上，但也可能成人也有这种征兆。感觉统合障碍的人可能对感官接受到的讯息过于敏感反应，例如对吹叶机的噪音表现极度的不耐受；触摸某些食物或衣服的质地时会尖叫或退缩。相反的，他们可能对周围的刺激没有反应，例如对于极热或极冷完全没有任何反应。

造成感觉统合障碍的起因至今尚未有找到原由，故该障碍并未被认为是医学问题。

Otak sesetengah kanak-kanak mengalami kesukaran untuk menerima dan bertindak balas terhadap maklumat yang diterima melalui deria dalam fenomena yang dikenali sebagai gangguan pemprosesan deria. Bunyi yang biasa mungkin menyakitkan atau menggerunkan dan label baju mungkin merengsa atau meleceatkan kulit di bahagian belakang leher kanak-kanak ini.

Gangguan ini biasanya dikenal pasti pada kanak-kanak tetapi ia boleh juga mempengaruhi orang dewasa. Mereka yang terlibat boleh menjadi terlalu sensitif terhadap input deria seperti tidak bertoleransi tinggi terhadap bunyi peniup daun, menjerit apabila disentuh dan menjauhi daripada tekstur makanan atau pakaian tertentu. Ia juga boleh menjadi sebaliknya apabila mereka mungkin tidak bertindak balas terhadap rangsangan di sekeliling mereka seperti ketidakupayaan untuk bertindak balas terhadap haba atau kesejukan yang melampau, malah kesakitan.

因此，家里有感觉统合障碍的小孩很难获得帮助。目前，治疗课程是依据孩子的个别情况与需求而量身定制。例如，如果该孩子倾向于对触摸和声音反应低于正常反应，则父母需要在陪同他们一起玩耍时，需要花费更多的精力去刺激他们。反之，如果该孩子倾向于对触摸和声音反应过度，则父母需要安抚他们让他们情绪平静下来。

大多数患有感觉统合障碍的儿童一般上都是在婴儿时期就有症状。随着年龄的增长，因为无法得到很好的治疗，他们会变得非常焦虑。他们可能经常发脾气或情绪崩溃。成功的治疗对于他们克服种种挑战至关重要，家长和老师务必极度耐心对待有感觉统合障碍的孩子。

Punca sebenar masalah pemprosesan deria belum dikenal pasti dan gangguan itu belum lagi diiktiraf sebagai isu perubatan. Oleh itu, keluarga yang mempunyai anak yang terlibat menghadapi kesukaran untuk mendapatkan bantuan. Rawatan hendaklah disesuaikan dengan keperluan kanak-kanak. Sebagai contoh, jika kanak-kanak kurang bertindak balas terhadap sentuhan dan bunyi, ibu bapa perlu bertenaga dalam sesi bermain dengan mereka. Walau bagaimanapun, jika kanak-kanak itu cenderung untuk bertindak balas secara berlebihan terhadap sentuhan dan bunyi, ibu bapa perlu menenangkan mereka untuk mengurangkan kegelisahan mereka.

Kebanyakan kanak-kanak yang mengalami gangguan pemprosesan deria bermula sebagai bayi yang cerewet. Mereka menjadi cemas apabila mereka semakin tua dan tidak dapat menangani perubahan dengan baik. Mereka mungkin sering mengamuk atau mengalami krisis. Kejayaan rawatan penting bagi mereka untuk mengatasi cabaran dan ibu bapa dan guru juga perlu bersabar.

### DR. CHONG MEE YOKE - MALAYSIA TORAY SCIENCE FOUNDATION COMPETITION

In the recent prestigious Malaysia Toray Science Foundation Competition, Dr. Chong Mee Yoke received the Year 2022 Science Education Award. Her winning project, the "10 minutes Water Purification in the Laboratory" educational tool was motivated by the need to teach the difficult terms of coagulation, sedimentation and oxidation in a manner that is easier for Form 2 students to understand. It is also to minimise the problem of the language barriers among the learners by using easily available apparatus and materials. Consequently, the stages of the water purification can be delivered to the students in an one-hour lesson. The seven stages of water purification can be demonstrated to the students by using beakers, funnels, filter paper, toothpaste, clorox, sulphuric acid and barium nitrate. A worksheet was provided for the students to write the description at each stage in order to show their understanding. Mnemonics was developed for the learners to memorise the stages in the water purification - Friendly Owen Can Sell Fantastic Fried Chicken - to show their understanding.

With the new teaching strategy, learners showed great improvement in the topical test where 78% of the students answered the water purification related questions accurately. Congratulations and thank you to Dr. Chong Mee Yoke for efforts to facilitate and improve learning in our students.



Mr. Loh Ghee Juan congratulated Dr. Chong Mee Yoke on her achievement by presenting her with a bouquet of flowers on behalf of the school.



## MIS: IPC ENTRY POINT - CHOCOLATE

Every IPC topic begins with an Entry Point, the aim of which is to get everyone excited and thinking about the learning that is to come.

Both Year 3M and 3A embarked on an investigation to start off their new IPC topic on 'Chocolate' by doing an experiment that needed them to utilise their basic human senses: touch, hear, smell and taste but without sight.

They were blindfolded to test whether they could identify the difference between dark, milk and white chocolate. Almost all of the children agreed that the milk and white chocolate tasted best while Daveindra from Year 3A said that he liked the bitterness of the dark chocolate the most! They also agreed that not being able to use their sight to see what they are tasting was very challenging for them.



Paavarasy (Year 3M) said that the chocolate from Mystery Box 2 was too bitter.



Nawra (Year 3A) said that it was difficult to taste the chocolates as she cannot see any of them.



Havleen (Year 3M), Darwish and Yudister (Year 3A) said that they are excited to taste the chocolates and all of them tasted great!

## MIS: ADDING AND SUBTRACTING UP TO 100



Year 2 students using a 100 square grid to count forwards and backwards in ones and tens.

Year 2 students recalled their memory of numbers 1 - 100 and finding out ways to incorporate them into their learning of higher level addition and subtraction.

The students were introduced to two digit numbers, adding and subtracting ten, and showing their ability to count forwards and backwards from any two digit number. To reinforce their knowledge, we have been using one hundred charts, number lines and number crosses. By using these strategies and manipulatives, students are able to fully understand and visualise numbers 1- 100.

The students played a number line dice game as well as a 100 chart number cross game. Some students who earlier displayed some difficulty grasping the concept were able to find great success in the hands-on /interactive teaching approach. Students had a fun learning experience and can't wait to play more mathematics games again soon.

## MPS: CREATIVITY IN ARTS

Banyak aktiviti telah dijalankan di dalam kelas seni yang membuka ruang untuk para pelajar menghasilkan pelbagai karya seni seperti lukisan, catan, cetakan dan kraf.



Nur Ammar Azfar tahun 1M membuat rumah burung menggunakan bahan seperti kertas dan gam serta teknik lipatan dan tampalan. Pelajar mendekorasi rumah burung yang dihasilkan menggunakan kreativiti agar ia lebih kelihatan menarik.



Alicia Lim tahun 4A menghasilkan ukiran menggunakan bahan seperti sabun, kentang dan lain-lain. Aktiviti ini memberi peluang kepada pelajar untuk menghasilkan pelbagai ukiran berbentuk motif flora seperti bunga.



Maya Preetika Kaur tahun 2M mereka cipta tembikar menggunakan bahan seperti tanah liat. Aktiviti ini membantu pelajar dalam memanipulasikan bahan serta mengaplikasikan teknik seperti gulungan dan picitan. Pelajar dapat membentuk pelbagai bentuk tembikar mengikut kreativiti dan kreatif.



Aish Iman tahun 1A menghasilkan lukisan menggunakan stensil yang dihasilkan terlebih dahulu dan kemudiannya melukis mengikut garisan kontour.



## MIETY : BAKE IT

The children were introduced to the concept of scientific reactions by allowing them to bake bread. They were able to observe the change in the dough when yeast was poured into the ingredients consisting of flour and butter. A control was carried out where yeast was not used. The children learned of the role of yeast in the reaction.

Besides learning about reactions, they also enjoyed their freshly baked bread.



Melting the butter.



Students mixing flour batter.



Pouring the melted butter into the flour.



Rolling the dough to prepare it for baking.



## BOARDING HOUSE: MID-AUTUMN FESTIVAL

In order to let the boarding house students celebrate the Mid-Autumn Festival, the first Mid-Autumn Festival party was held on 27 September from 8:00 pm to 9:30 pm.

On that lovely night, all the boarders gathered at the Agora to share a bright moon to celebrate the Mid-Autumn festival in a homely and beautifully decorated environment.

Our Campus Principal, Mr. Loh and Head of Boarding House, Ms. Tea thanked the boarders for participating in the celebration and for being good boarders.

A song 'Tian Mi Mi' was presented by Wong Yie Heng, Wong Lap Heng, Sampson Chong and Alvin Hor, followed by a mini drama of the story of the 'moon fairy' of Chang'e and Houyi. Rania also presented a song 'Golden Hours'.

After the performances, the boarders had a fun activity of guessing lantern riddles and enjoyed the special supper of mooncakes and pizza.



Group photo of the boarders and house parents at the 1st Mid-Autumn outdoor celebration.



Rania singing 'Golden Hours'.



Boarders, Ms. Tea and Mr. Loh watching the performances.



Sampson Chong, Wong Yie Heng, Wong Lap Heng and Alvin Hor performing the song 'Tian Mi Mi'.

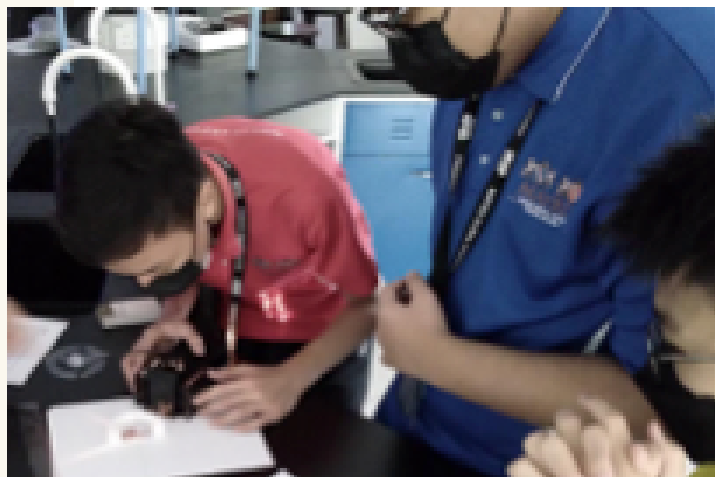


Boarders having a happy time enjoying the special supper during the Mid-Autumn Festival.



## CCA: SCIENCE EXPERIMENT CLUB

The students were engaged in a scientific investigation which explored one of the most interesting phenomena in physics - the total internal reflection. Students worked in groups collaboratively as they carried out the investigation and they were actively learning with minimal guidance. This independent learning approach encouraged students to be more cautious when analysing the procedure before they initiated the scientific investigation. The data collected by the students seemingly surprised them, when they observed how light reflects within the semi-circular glass block. Their prior knowledge that light refracts through a glass block was challenged. The scientific report was completed by the students where they analysed the data before deriving their conclusion. They discussed their experience before presenting their results. It was interesting to listen to the students reflecting on their learning experiences.



Carrying out the investigation on total internal reflection.

## CCA : SPORTS COMMITTEE

MGS had our house assembly on 26th September 2022 to select new captains, vice captains and committee members. The sports houses with the new committee members took a new pledge to bring their sports house great success in the year ahead. With their commitment, we look forward towards to more success in sports.

### NEWTON

#### House Heads

Mr. Dave Chuah Teng Chew

Ms. Windclaire Sese Mendez

House Captain - Leow Jun An

Vice-Captain - Tan Co Ee

#### Committee Members

MIS Primary: Jayden Max Lim Euu Yuan

MPS Primary: Yassheka A/P Arumugam

MIS Lower Sec: Yong Yu Hern

MIS Upper Sec: Nur Izzarynna Binti Mohd Nizam

MPS Lower Sec: Woo Fung

MPS Upper Sec: Lysha Ou Ee Ping

### DA VINCI

#### House Heads

Ms. Prashalini Koomerdesan

Ms. Rajkirat Kaur Amar Singh

House Captain - Wong Lap Heng

Vice-Captain - Jayprasaadh Nair

#### Committee Members

MIS Primary: Shesvinesh A/L Elengovan

MPS Primary: Isabelle Clare Saravanan

MIS Lower Sec: Howard Yam Hao Yeh

MIS Upper Sec: Mizan Hakimi bin Fadlullah

MPS Lower Sec: Low Kai Xian

MPS Upper Sec: Wong Yie Heng

## CONGRATULATIONS

### EINSTEIN

#### House Heads

Mr. Tek Wei Biau

Mr. Raja Syahril Izwan

Bin Raja Khalib

House Captain - Shawn Young Siow

Vice-Captain - Sampson Chong Yue Haoy

#### Committee Members

MIS Primary: Mahathi Marpalli Adarsha

MPS Primary: Alyssa binti Johann

MIS Lower Sec: Wan Afief Putra bin Azmi

MIS Upper Sec: Shannon Kitt Yeng Choo

MPS Lower Sec: Toh Zhen Yang

MPS Upper Sec: Aadesh Prakass

### GANDHI

#### House Heads

Ms. Syaza Amani Nawawi

Ms. Norakmaliza Md. Zoikefli

House Captain - Parvin A/L Nityananthan

Vice Captain - Yossven A/L Ithayamaran @ Ravi Kumar

#### Committee Members

MIS Primary: Wan Nur Iman Mishca Binti Wan Ahmad

Faizal

MPS Primary: Muhammad Ryan Danish Bin Mohd Adam

MIS Lower Sec: Matthew Boschetto

MIS Upper Sec: Jzustin Cheong Zhen Yeap

MPS Lower Sec: Yoeshnavy A/P Ramesh

MPS Upper Sec: Lee Min Han