



**PETROSAINS:** Investigate...

**Science Program for Children**





**Petrosains** is a modern and contemporary science discovery centre where visitors are empowered to **touch, play, feel** and **manipulate the exhibits** on display. Built for visitors of all ages, the interactive and engaging features of **Petrosains'** exhibits creates an 'innovative' environment for visitors to observe, explore, investigate, experiment, create, contemplate, discuss, debate, to question and to wonder at or about the many aspects of science and its relation to the world that we live in.

Established by **PETRONAS** to extend its commitment as a socially responsible corporate citizen, it provides a rich and stimulating environment aimed at enhancing science literacy in the nation and the passion for acquiring scientific knowledge and skills.





*Petrosains vision* is to CREATE WONDER  
AND INSPIRE PEOPLE THROUGH ENGAGING  
AND IMAGINATIVE EXPERIENCES

Photo | Science Action Team 2014@Petrosains Discovery Centre KLCC



# Petrosains Mission

We provide  
and nurture  
meaningful  
science  
learning

We strive for  
sustainability  
through strategic  
and impactful  
portfolio of  
offerings

We commit  
to deliver  
world-class  
customer  
experience

We enrich  
people's lives  
and enhance  
the nation's  
future





# Product Offerings

## Petrosains Sdn Bhd



PETROSAINS

- 1 Exhibition Galleries
- 2 Inreach and Outreach Programs
- 3 Teachers Program
- 4 Visiting Exhibition
- 5 Special Projects



Visit Operations

Satellite Centres



- 1 Kuantan
- 2 Johor Bahru
- 3 Kota Kinabalu
- 4 Kuching (future)

Travelling Exhibitions

- 1
- 2





# Geographical Presence

Petrosains all across Malaysia

**Petrosains the Discovery Centre, KLCC**

## Satellite Centres:

PlaySmart Kuantan  
Kompleks Yayasan Pahang

PlaySmart JB  
Perbadanan Perpustakaan Playsmart Johor

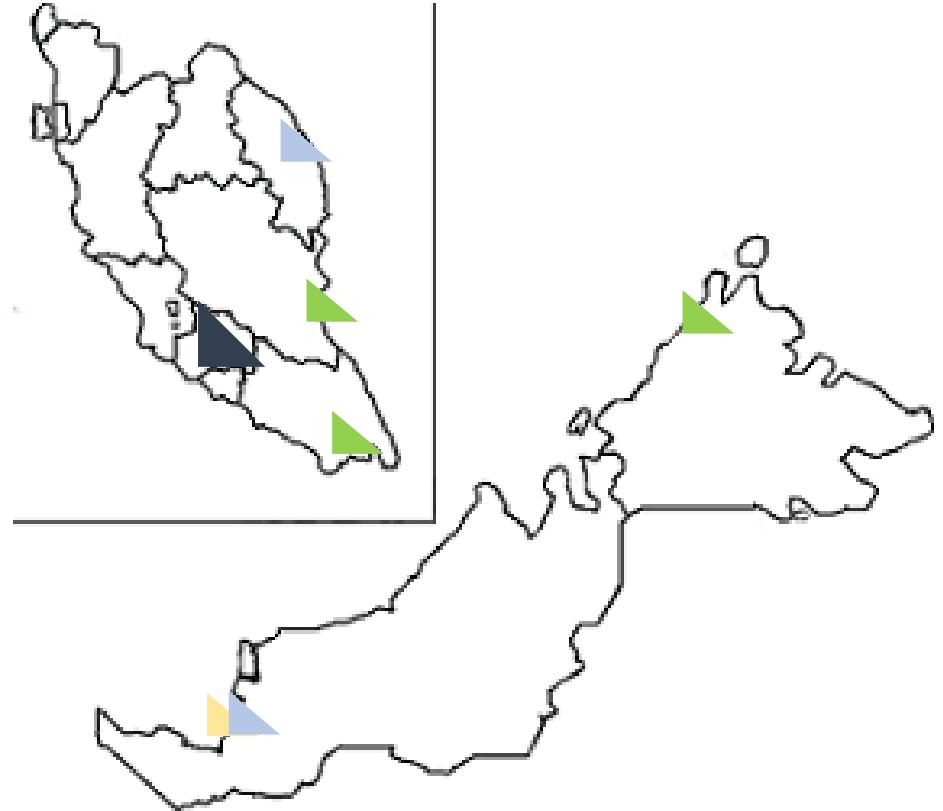
PlaySmart Kota Kinabalu  
Perpustakaan Negeri Sabah

PlaySmart Kuching (Future)

## Travelling Exhibitions:

PETRONAS StreetSmart  
City One Mall, Kuching

DINOTREK 2  
(Now in PSKT Kuala Terengganu)





# Petrosains REACH



GRAND TOTAL OF **OVER 15.9 MILLION** PEOPLE REACHED SINCE 1999

\*as at December 2015



**The Discovery Centre, KLCC**

5.69 million visitors and counting



**Events and Programs**

0.60 million visitors and counting



**Petrosains PlaySmart Centres**

1.80 million visitors and counting



**PETRONAS StreetSmart**

1.49 million visitors and counting



**Petrosains DinoTrek**

1.25 million visitors and counting



**PETRONAS Twin Towers Visit Operation**

5.07 million visitors and counting



## **EDUCATION**

Develop knowledge & capabilities to support nation building

## **COMMUNITY WELL-BEING & DEVELOPMENT**

Improve the well-being & contribute to community development

## **ENVIRONMENT**

Conserve natural resources for current generations



## 2.1 The Role of Science Centres

- Science centres are **informal learning** institutions specifically geared towards the **improvement of scientific literacy**.
- Science centres are recognised by the Malaysian Government as contributing towards **raising the level of scientific literacy** (Malaysian Science and Technology Information Centre, 2010).
- **Scientific literacy** encapsulates the **end goal of science centres** expressed by individuals who understand science knowledge and processes, and who can make informed decisions and who are critical thinkers.



## 2.1 The Role of Science Centres

- When benchmarked against similar studies done in other countries, the scientific literacy of **Malaysians** on average remains **far below that of developed nations** such as U.S.A., Japan, and South Korea and is only marginally better than India (Malaysian Science and Technology Information Centre, 2010).
- Even in the U.S.A., where average scientific literacy levels are higher than Malaysia, Miller (2002) perceives the levels to still be possibly insufficient for *'a strong democratic society in a new century of accelerating scientific and technological development'*.

## 2.1 The Role of Science Centres

- The *Jawatankuasa Mengkaji Dasar 60:40 Aliran Sains/Teknikal:Sastera* (2012) under the purview of the Ministry of Education has **recognised the role of the science centre approach towards increasing scientific literacy** in Malaysia in their recent strategic report.
- Science centres and its associated activities (e.g. digital initiatives, programmes, and events) are powerful change agents (Goldman & Dierking, 2005) which can **effectively address the acquirement of scientific literacy** (Bandelli, 2002; J. Jones, 2005) in a cost-effective and wide-reaching way.

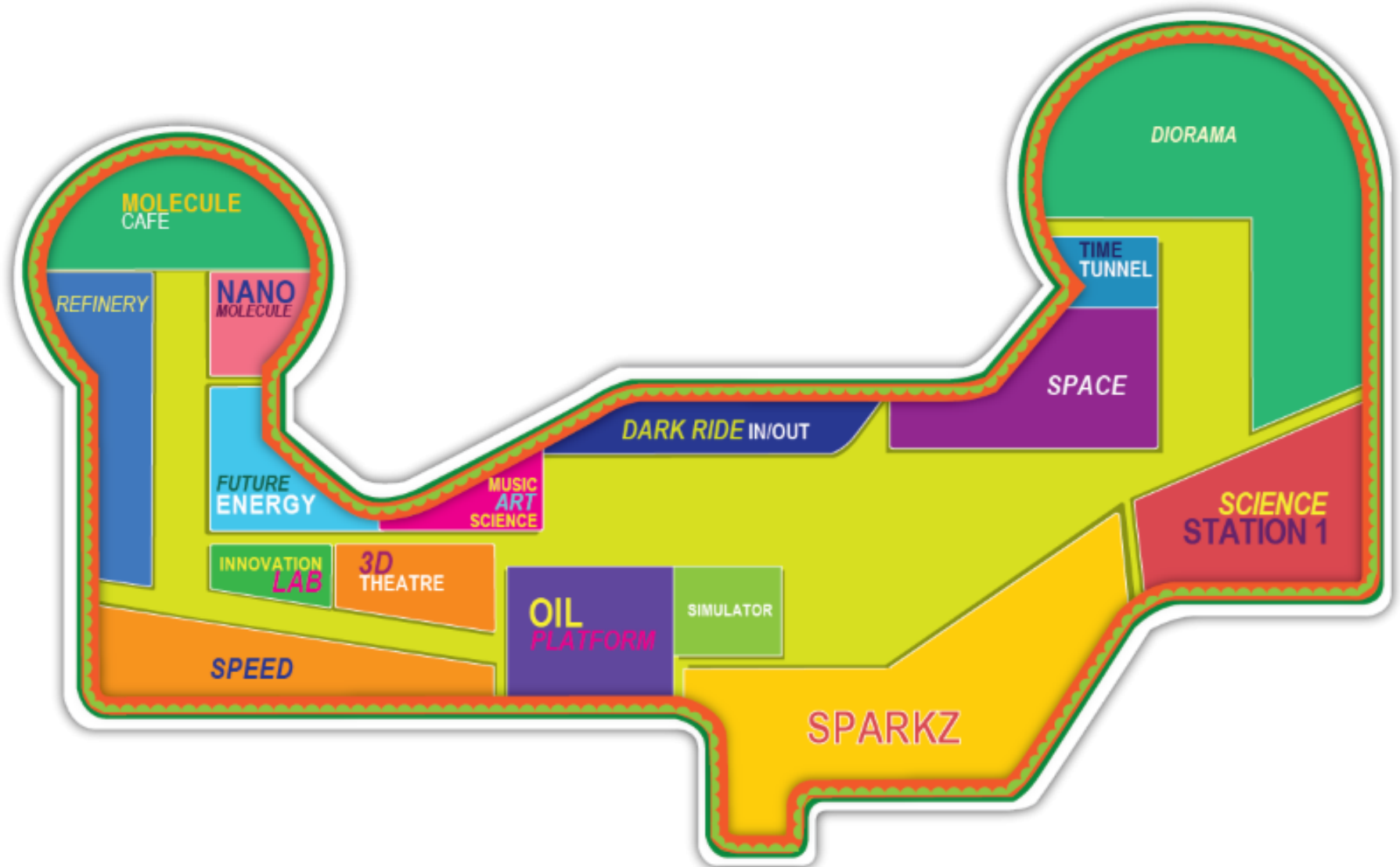


**Our Approach to Learning ...**  
As an informal science learning institution, we aspire to provide our audience with a rich holistic Learning Experience based on the following pillars :-

1. Hands-On Minds-On Hearts-On
2. Social Constructivism
3. Inquiry Approach
4. Scientific Skills and Thinking Skills
5. Creativity and Innovation
6. Science Communication platform
7. Blending of Music, Arts and Science
8. Free Choice Learning for all ages
9. Science is Everywhere
10. Current and Contemporary
11. Connection to School Curriculum
12. Science and Society



# PETROSAINS MAP





Start



HotScience



Dark Ride



Space



Geotime



SS1



Innovation Lab



Molecule



Molecule Cafe



Speed!



Oil Platform



Sparkz



SS3

3D Theater



Future Energy



Music, Arts & Science



Exit Ride



Xplorasi Gift Shop



End

## Petrosains Entrance



Days	Hours	
<b>Tuesday – Friday</b>	9:30am – 5:30pm (Last Admission: 4:00pm)	
<b>Saturday, Sunday &amp; Public Holiday</b>	9:30am – 6:30pm (Last Admission: 5:00pm)	
<b>Monday</b>	CLOSED (except on Public Holidays and School Holidays)	

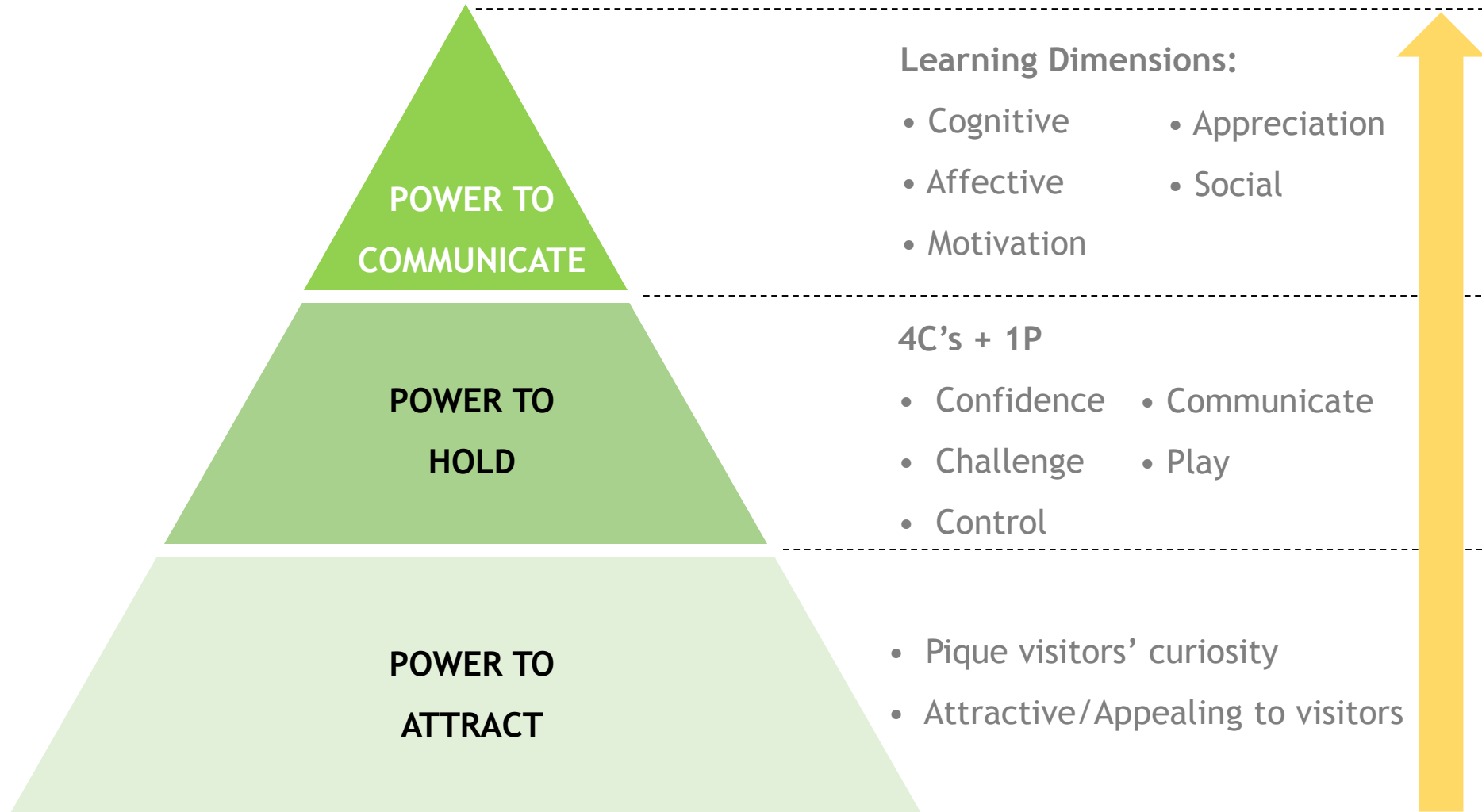
  

Admission Rates	With MyKad	Non-MyKad
<b>Senior Citizen (56 years &amp; above)</b>	RM 10.00	RM 15.00
<b>Adult (13 – 55 years)</b>	RM 20.00	RM 30.00
<b>Child (3 – 12 years)</b>	RM 8.00	RM 18.00
<b>Child (2 years &amp; below)</b>	Free Admission	

*Price is inclusive of GST at 6%.*



# PETROSAINS Exhibits Design Framework





## Petrosains INREACH Programs

### Public : THEMATIC CAMPAIGNS

Petrosains thematic campaigns are a showcase of awesome science discoveries and experiments that carry special themes which have been designed to impress and educate. With mini science shows and other exciting activities, there's always something fresh and new at Petrosains, The Discovery Centre. Be prepared for a fascinating collection of eye-catching displays, thrilling interactive exhibitions and most important of all, an exciting and immersive learning experience.



## OUR EARTH OUR HOME

19 January - 31 March 2013  
Petrosains, The Discovery Centre



## Petrosains INREACH Programs

### Public : Exhibit Facilitation

Assisting visitors to interact with exhibits.



### Public : Science Shows

Science Shows is a science demonstrations that utilize everyday items such as plastic bottles, paper, straws, spoons, coins and much, much more to demonstrate various scientific principles. These activities encourage visitors' participation and also help them link these principles to our daily routines





### Public : Mini Shows

Simple science demonstration according to the thematic campaign that used daily available items to explain various science concepts in fun ways.



## Public : World Day

Activities to commemorate special days to encourage people to be aware & appreciate the world around them




Happy  
Mother's  
Day

Happy  
Father's  
Day

Petrosains celebrates  
**World Pi ( $\pi$ ) Day | 14 March 2016**  
in conjunction with  
**WORLD SCIENCE CENTRE DAY**

Experience the  $\pi$  moment at 3.14.16



Don't miss the  $\pi$  moment at Petrosains!

Join us on 14 March 2016 for a  $\pi$ -filled day:

- Enjoy 10% discount on all admission tickets (except family and senior citizen tickets).
- Participate in exciting Maths and  $\pi$  related shows.
- Get "FREE" "pies" during the  $\pi$  moment at 3.14pm at the show venue. \*While stocks last.







A good teacher helps us learn effectively and creatively. Watch the Video by Petrosains Staff and volunteers on their classroom memories at **Petrosains YouTube Channel** .



# Petrosains INREACH Programs

## Public : School Holiday Program

**Petrosains School Holiday workshops**

**WORKSHOP #1**  
WEDNESDAY, DEC 3  
**MAKE YOUR OWN PIZZA**  
Make your own healthy pizza and get to know what's good for our health.  
**SHRINKY DINKS**  
Discover the unique properties of plastic and make your own shrinkable keychain!  
Registration Closing Date: **SUNDAY, NOV 30**

**WORKSHOP #2**  
WEDNESDAY, DEC 10  
**BAKE & DECO CUPCAKES**  
Enjoy your own cupcakes and decorate them while learning the science concept of making them.  
**BATIK HANKIE**  
Challenge your creativity by creating your own Batik printing and learn some science behind the process.  
Registration Closing Date: **SUNDAY, DEC 7**

**WORKSHOP #3**  
WEDNESDAY, DEC 17  
**FRUITY TARTLETS**  
Be an instant pastry chef! Make cute fruity tartlets and understand what happens along the way!  
**FLIERS CHALLENGE**  
Experience building your own Filters and let's compete!  
Registration Closing Date: **SUNDAY, DEC 14**

**WORKSHOP #4**  
WEDNESDAY, DEC 24  
**GINGERBREAD MAN COOKIES**  
Get into the festive mood by making your own gingerbread man!  
**SAND PAPER ART**  
Express your design creativity on a bag! By only using sand paper, you will get something cool!  
Registration Closing Date: **SUNDAY, DEC 21**

**REGISTER NOW!**  
TIME: 9.00AM - 5.00PM  
AGE: 7-12 YEARS OLD  
(Limited to 20pax ONLY for each workshop)  
**RM150** per workshop (Non Member)  
**RM140** per workshop (Petrosains Member)\*  
\* Not a Petrosains member yet? Sign up now and enjoy cool gifts!

Follow us on:

For further information & registration, please contact:  
Sakinah 03-2331 6032 | Aein 03-2392 4690



# Yay Time!

THE PETROSAINS SCHOOL HOLIDAY WORKSHOPS ARE BACK!

## ACTIVITIES

- Ice Ice Party & Ladybug Racers
- Choco Cheese Chomp!
- Melted Crayon Artist
- Hot Cheese
- Music Box
- Robotic Workshop by Littlebotz Academy
- Circuit City Central
- Colourful Batik
- Solar Car
- DIY Ice Cream
- Braceletivity



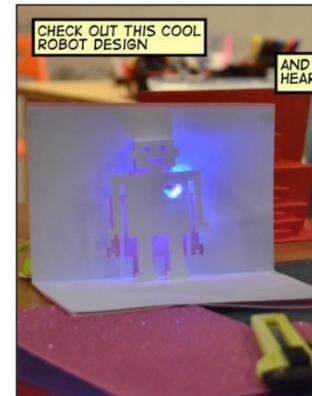
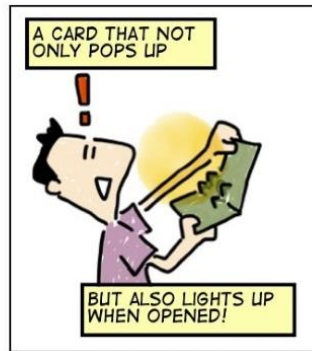
More info visit [www.petrosains.com.my](http://www.petrosains.com.my)  
or call our info/booking line at **03-2331 8181**







Public : Tinkering@Innovation Lab



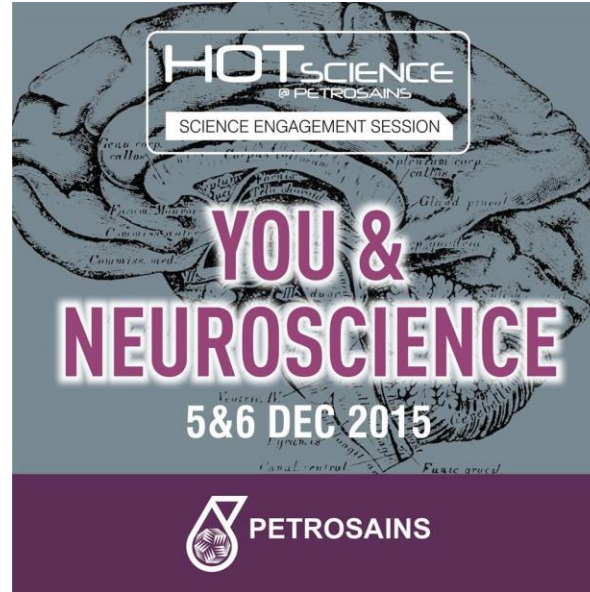


## Public : Science Engagement



# insects!


**SCIENCE ENGAGEMENT SESSION**  
19-20 December 2015 (Sat-Sun) | 10AM – 5PM  
HOTSCIENCE @ Petrosains, KLCC

**HOTSCIENCE @ PETROSAINS**  
SCIENCE ENGAGEMENT SESSION

# YOU & NEUROSCIENCE

5&6 DEC 2015




IS THERE A STANDARD SHOE SIZING SYSTEM FOR MALAYSIAN WOMEN?

**SCIENCE ENGAGEMENT SESSION**  
23-25 October 2015 (Fri-Sun) | 10AM – 5PM  
HOTSCIENCE @ Petrosains, KLCC





# AUTISM

## WHAT IS IT?

Autism is a lifelong developmental disability that affects how a person communicates with, and relates to, other people. It also affects how they make sense of the world around them.

The National Autistic Society, UK

**Come over and learn about the Lab and the work the staff do. Find out how to identify and screen for autism, as well as the intervention used to manage an autistic child.**

DATE **11 APRIL 2014 (FRIDAY)** TIME **12.00PM-1.30PM**



**PETROSAINS**

**NYAWA:** Art & Science Connection | 12&13 SEPT 2015

**HOTSCIENCE @ PETROSAINS**  
SCIENCE ENGAGEMENT SESSION



**JURASSIC ADVENTURE**  
REPTILES & DINOSSAURS

# Meet The Paleontologist!

SCIENCE ENGAGEMENT SESSION

**ARE THERE ANY FOSSILS IN MALAYSIA?**

Venue: HOTSCIENCE



**PROF. DR. LEE CHAI PENG** is a palaeontologist who is actively involved in sedimentological & palaeontological research. Retired from the University of Malaysia in 2011, he currently teaches palaeontology, stratigraphy & sedimentology part time at University of Malaya (UM) & Universiti Teknologi Petronas (UTP).

**6 JUNE** 11am-1pm | **7 JUNE** 3pm-5pm

# School Programs

## *Support Teachers, Develop Students*

The activities under Petrosains School Programs are specially designed to complement and support science and math subjects taught in the national school curriculum from pre-school right up to secondary level. Among the activities available under this program are the Camp-in Program, Visit to Schools and the Creative Science for Schools.

Through the Creative Science for Schools Program(CSS) , Petrosains brings science to life with activity based science discovery program for students visiting Petrosains. School groups visiting Petrosains can select and sign up in advance for their students from variety of age appropriate activities covering a range of disciplines. Besides adding value to their visit in Petrosains ,these activities enable school children to further understand key scientific principles learnt in schools by participating in hands-on sessions facilitated by qualified and trained Science Communicators at Petrosains.



## Petrosains INREACH and OUTREACH Programs

Schools : Creative Science for Schools

Curriculum related activities for students using science center approach.





## Petrosains OUTREACH Programs

### Schools : Visit to School





# Petrosains OUTREACH Programs



## Petrosains OUTREACH Programs

### Schools : SAHABAT

SAHABAT Petrosains is one example of Petrosains' outreach program. The program is a collaboration between Petrosains and Jabatan Kemajuan Orang Asli (JAKOA)\*. This initiative was first introduced in 2002 and the program is a four-day three-night educational camp conducted by Science Communicators of Petrosains with 100 selected Orang Asli settlement. To date, SAHABAT Petrosains has been to 13 sites of the Orang Asli settlements in Malaysia. The objective of this program is to nurture the interest in and stress the importance of learning especially in science and mathematics as well as to assist the teachers in the settlements to access alternative resources for teaching and learning science.





# Petrosains OUTREACH Programs

## Schools : EDUCamp



Photos | EduCamp at Long Teran , 2015

# Educators Programs

## *Be a better Teacher*

To further nurture the spirit of learning, Petrosains tailors programs for the educators of our country. Teachers Professional Development Programs are created to inspire teachers through Petrosains learning philosophy of encouraging creativity, promoting enquiry-based learning and layering elements of play in educating. Workshops and knowledge sharing sessions are organised several times a year by Petrosains and topics include **Elements of Inquiry- Comparing Approaches to Hands-on Science , Process Skills and Raising Questions**. The workshops provide a hands-on approach that enriches the learning process and nurtures 'Higher Order Thinking Skills' (HOTS) via utilisation of a wide range of tools and techniques.



## Petrosains Educators Programs

### Creative Teaching Workshop

Improvise teaching method creatively by attending this workshop.



## Inquiry Workshop



This is a workshop on Fundamental of Inquiry adopted from the Institute of Inquiry, Exploratorium in San Francisco. Participants consists of teachers, lecturer, pre-service teachers and staff from MOSTI and MOE

Modules conducted are:

- Comparing Approaches to Hands-on Science
- Process Skills
- Raising Questions
- Hands-on Application of Inquiry : Shadow Inquiry Investigation
- Subtle Shifts : Adapting Activities for Inquiry



### Teachers' Professional Development Workshops



The main objective of this program is to inspire teachers through Petrosains learning philosophy which promotes fun, creative and inquiry based learning and helps them to share these valuable experiences to their students.

The teachers will be our ambassadors to conduct in-house training for other teachers in their district.

### Petrosains Science Show Competition



An annual competition organised by Petrosains, this national level science competition was first introduced in 2009 as an initiative to promote effective and informal learning methods, and popularise science amongst secondary school students. Open to students from Forms 1 to 6 nationwide, hundreds of entries were received every year. After a stringent selection process by a panel of judges, shortlisted teams will compete in the state-level competition before competing in the grand finals held in Kuala Lumpur. Besides receiving cash, Petrosains' merchandise, plaque and trophy, the winning teams will also receive incentives for their school in the form of purchase of educational equipment..

This signature program sees record number **900 teams in 2015.** (600 in FY2014)



# PETROSAINS SCIENCE SHOW COMPETITION

GOT WHAT IT TAKES TO BE A SCIENCE SUPERSTAR?

astro TVIQ



### Petrosains Science Festival (PSF)



The first ever Petrosains Science Festival was held in October 2013 and is a defining moment in Petrosains' history, as a new initiative in Petrosains' goal to create wonder and inspire the learning of science through engaging and imaginative experiences. The festival pools together and provides a unified platform for private corporations, public institutions, scientist academicians, environmentalist, artists, personalities and Petrosains to work together and storm up a funfest of science activities in the hope of inspiring and attracting Malaysians to the wonders of science. Visitors are treated to interactive exhibitions, workshops, talks, science shows, health and fitness sessions, celebrity appearances, games, contests, and many other interesting and educational activities during the weeklong celebration of science held at Petrosains, The Discovery Centre®, in the Suria KLCC Centre Court and the KLCC Esplanade.







# PSF 2014 : Esplanade, KLCC Park





## Special Projects

### Petrosains Volunteer Program



Petrosains award-winning 'Volunteer Program' started in October 1999 with the objective of providing a learning platform for Malaysians in the field of science and technology. To date, more than 3,000 volunteers between the ages of 18 to 65 years old have participated in the program. The presence of volunteers has added value to Petrosains by providing inspiring and impactful engagement for the visitors as well as providing a platform for Malaysians to be involved in the spirit of volunteerism. With a structured training program, most of the volunteers were able to enhance their self-confidence, communication skills and become the ambassadors of science in their respective communities.





Photos | Volunteering Drive for Post Flood Relief Initiative at Pekan, PAHANG in 2015



## Satellite Centres

To extend the science centre experiences to communities outside of the Klang Valley, the Petrosains PlaySmart satellite centre was first set up in 2003. These Petrosains PlaySmart are placed within the community to allow easy accessibility for families and children to visit the centres. Petrosains PlaySmart features interactive exhibits and offers engaging and scientific-based activities as well as live science demonstrations similar to the activities organised at the main centre in KLCC but on a smaller scale. Petrosains PlaySmart satellite centres are currently located at Perbadanan Perpustakaan Awam Negeri Johor , Johor Bahru ; Kompleks Yayasan Pahang , Kuantan and Perpustakaan Negeri Sabah , Kota Kinabalu.

## 1 Petrosains Playsmart : Kota Kinabalu

**Petrosains PlaySmart Kota Kinabalu,**  
Perpustakaan Negeri Sabah  
Jalan Tasik, off Jalan Maktab Gaya,  
88300 Luyang, Kota Kinabalu  
Sabah.  
Tel : 08 825 5808 | Fax : 08 825  
3808



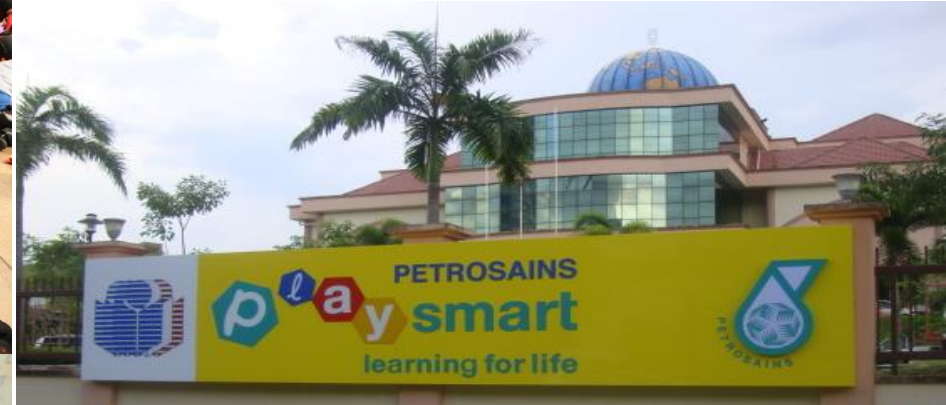


## Satellite Centres

### 2 Petrosains PlaySmart : Johor Bharu



**Petrosains PlaySmart Johor** ,  
Perbadanan Perpustakaan Awam Johor,  
Lot 197,45 Jalan Yahya Awal,  
80100 Johor Bahru,  
Johor Darul Takzim.  
Tel : 07 224 5498 | Fax : 07 226 2109





## Satellite Centres

### 3 Petrosains Playsmart : Kuantan

**Petrosains PlaySmart Kuantan** ,  
Kompleks Yayasan Pahang,  
Tanjung Lumpur,  
26060 Kuantan,  
Pahang  
Tel : 09 534 2290 | Fax : 09 534 3290





## PETRONAS StreetSmart



In the interest of road safety education and awareness , PETRONAS StreetSmart is a travelling exhibition brought to the public by Petrosains to present the **science behind road safety**. The exhibition showcases interactive exhibits and activities to immerse and engage visitors in learning. It aims to educate youth and children to be responsible and caring road users. At this exhibition, simulated road systems and traffic situations are set up for better learning experiences as well as to deliver the message of road safety in a fun and interesting way. The PETRONAS StreetSmart exhibition has travelled to most states in Malaysia. The first PETRONAS StreetSmart exhibition opened in Ipoh, Perak in 2001.

## Petrosains Dinotrek2



The awesome world of dinosaurs roars to life at Petrosains DinoTrek travelling exhibition. This exhibition provides a host of amazing facts and offers visitors an out of this world experience of being with the pre-historic creatures in a huge and in-your-face environment. Petrosains DinoTrek exhibition has nine animatronic dinosaurs, over a dozen interactive exhibits and offers hands-on activities to allow visitors to **discover and learn about pre-historic creatures and the field of palaeontology**. The DinoTrek exhibition first opened in 2003 and has travelled to many states in Malaysia including Sabah, Sarawak, Kedah, Terengganu, Pahang and Penang. It was upgraded in 2009 and renamed Petrosains DinoTrek2.



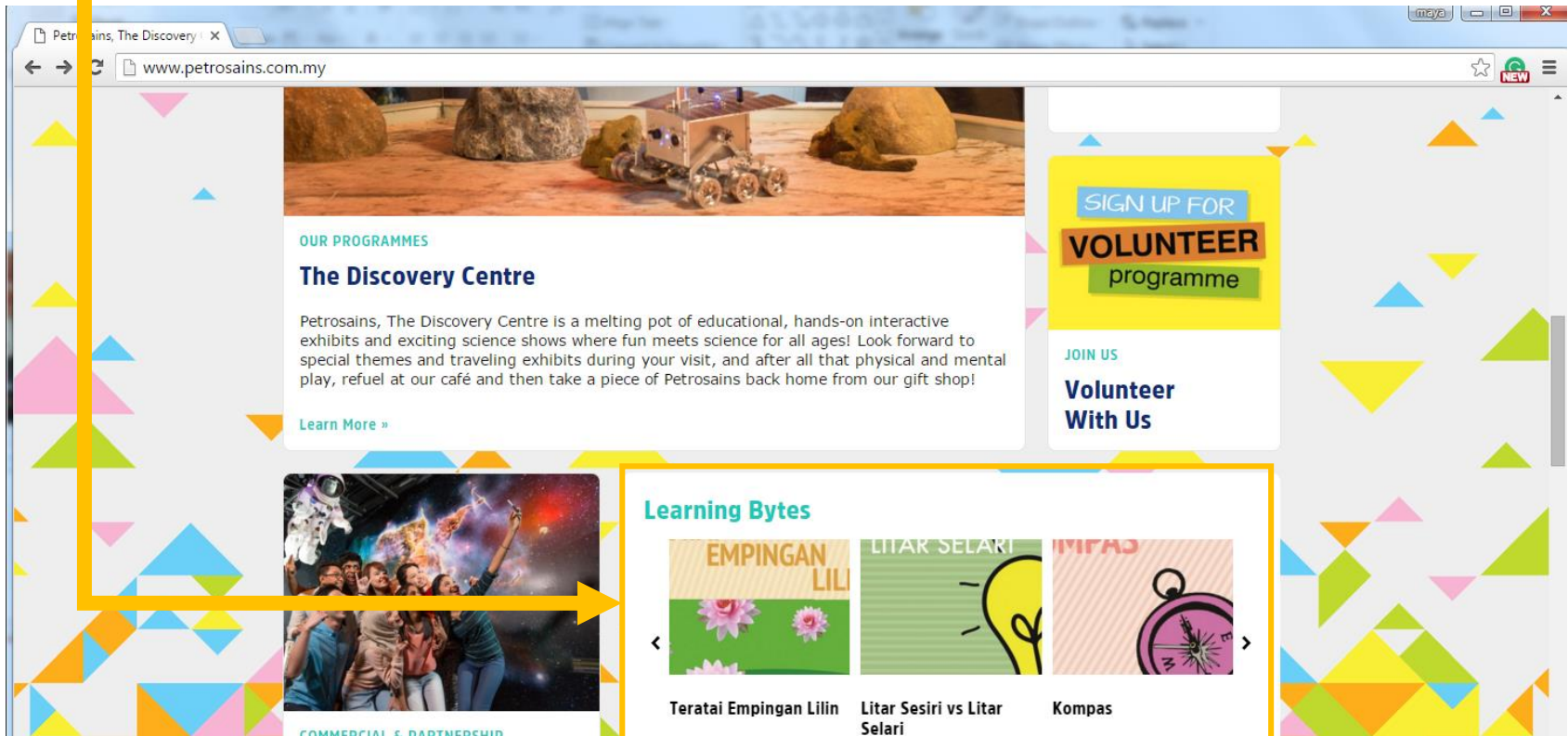
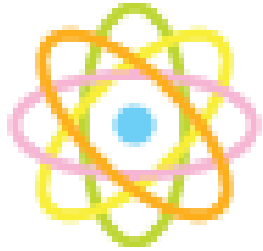




## Online Learning Platforms : Learning Bytes

Extend the learning adventure on STEM with Petrosains Learning Bytes. It consists of:

1. Wonderbites
2. Science Around Us
3. Blog
4. Citizen Science
5. Youtube Series

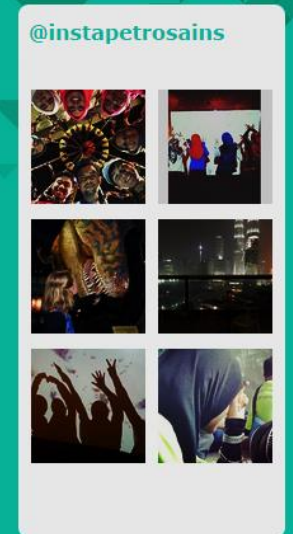
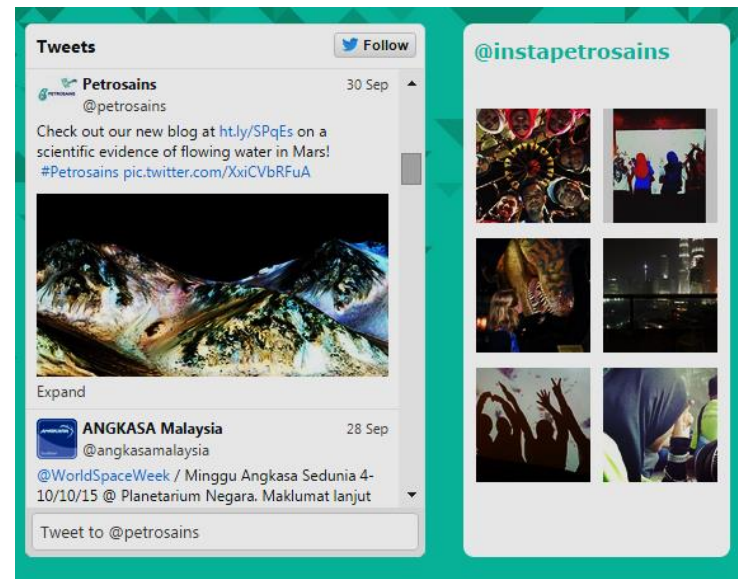


The screenshot shows the Petrosains website interface. The main navigation bar includes the Petrosains logo and the text "PETROSAINS". Below the navigation bar, there is a section titled "OUR PROGRAMMES" with a sub-heading "The Discovery Centre". The text describes the centre as a melting pot of educational, hands-on interactive exhibits and exciting science shows. A "Learn More »" link is provided. To the right, there is a yellow box with the text "SIGN UP FOR VOLUNTEER programme" and a "JOIN US Volunteer With Us" button. Below this, there is a "Learning Bytes" section featuring three featured items: "Teratai Empingan Lilin" (with a pink lotus flower image), "Litar Sesiri vs Litar Selari" (with a lightbulb image), and "Kompas" (with a compass image). A yellow arrow points from the atomic symbol logo to the "Learning Bytes" section.



# Social Media Platforms

## Facebook/ Twitter/ Instagram



cool  
tech

## 5 Areas of Measure

1. SPI Research
2. CSI Research
3. Human  
Development Value
4. Key Achievements  
Anecdotes
5. Free Media  
Coverage







Lift It Up

# Petrosains Pre-school Programs

STEAM for Young Children

## Introduction

Preschool program is an interactive program offered by Petrosains Sdn Bhd to preschool students age from 4 to 9 years old.

Children will experience hands-on science and mathematics through practical experience of scientific discovery.

It is an outside classroom environment which hopefully will spark their interest in learning by doing and satisfying curiosity.

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## Objectives

- To promote **Higher Order Thinking Skills (HOTS)** among pre-school students through science exploration, hands-on activities and problem solving.
  - To provide platforms and opportunities for children to apply the **psychomotor skills** that are suitable with children's development (Developmentally Appropriate Practice).
  - To provide an **exciting outdoor experience** for the pre-school students to discover science through interactive activities and exhibitions.
-



- 1. Pre-school Programs**
  - 1.1 Creative Science for Pre-schools**
  - 1.2 Visit to Pre-schools**
  - 1.3 Seminar Sains Prasekolah**
  - 1.4 School Holidays Program**
  - 1.5 Playdates – An Added Value to Visit Experience**



## 1 Creative Science for Pre-Schools



*“Leafy Day” workshop gives an exposure for students about leaves, and its characteristic.*



1

# Creative Science for Pre-schools 2014–2016 | Activities

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All About The  
Beats

---

Leafy Day

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Magnificent  
Magnets

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Animal Track

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Colour Play

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*The modules involves the young children in hands-on, sensory experience, science process skills as well as problem solving skills.*



# 1 CSP #PhotoGallery



More than 3000 students engaged since 2014

More than 300 teachers involved since 2014

More than 30 sessions conducted yearly





## 2 Visit to Pre-Schools



*“Fish” Project-based program with pre-school students.*



## 2 Visit to Pre-schools | Activities

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Plant in the  
Bottle

---

Cheeky Chicken  
Clucking Cup

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Fish

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Tie-dye



The modules involves the young children in hands-on, sensory experience, science process skills as well as problem solving skills.

## 2 Visit to Pre-Schools

More than 1500 students engaged since 2014

More than 20 schools engaged since 2014

20 sessions conducted yearly





## 3 Seminar Sains Prasekolah



### PRE-SCHOOL SCIENCE Seminar

7 May 2016 (Sat) | Petrosains, The Discovery Centre



Lots of exciting educational programs not to be missed!

Meet the Experts!

PlayDates

Hands-on Science Workshops

Science Show

HOTS for Pre-school



For inquiry and registration, please contact:  
En. Haniff: 03-2332 4690  
(haniff.zahari@petrosains.com.my)  
Cik Nor: 03-2331 9676  
(nor.hidayah.ali@petrosains.com.my)



This seminar is the first time of its kind been offered FY2016

70 pre-school teachers, educators and parents attended.

Received overwhelming feedback | SPI#1: SPI#2:



## 4 School Holidays Program





## 4 School Holidays Program



AGE 5-9

**PRESCHOOLERS**

Set little artists free to explore colors-light and bright.

RM 95.80

**BUY NOW!**

**COLOURFUL BATIK**

**ANIMAL TRACKS**

30 MAY 2016

1 JUNE 2016

[petrosains.com.my](http://petrosains.com.my)



A half-day program for young children during school holidays

Various contents are offered

1. Colourful Batik
2. Animal Tracks

## 4 School Holidays Program



A half-day program for young children during school holidays

Various contents are offered

1. Colourful Batik
2. Animal Tracks



## 5 Playdates - An Added Value to Visit Experience



*Sorting food for Healthy Food Pyramid*



*Homemade Ice cream activity*

Various of STEAM-based activities are offered

1. Food Pyramid game
2. Home-made Ice cream
3. Storytelling
4. Colour Play
5. Tie-dye

## 5 Playdates - An Added Value to Visit Experience



Promote “Do-it-Together” science among family members

More than 1000 visitors engaged with Playdates offerings within 6 months operations





## 2. Promotion & Staff Development

1.1 Engagement Sessions for Teachers

1.2 Staff Development

## 6 Engagement Sessions for Pre-school Teachers



*Engagement sessions with teachers and officers from Kuala Langat*



*Teachers and officers from Kuala Langat tried out "Clucking Cup" experiment*





# Staff Professional Development in Early Childhood Education



*Early Childhood Education Workshop  
by Dr Hj Saayah Abu, IPG Kampus Bangi*



**THANK YOU**

**Saiful Bahri Baharom**  
**Director, Strategic Planning and Science Advisory**