

MS MARVEL MODULE

Reimagining STEM. Repurposing ART.

Our Mission

MS Marvel strives to become an innovative pedagogical approach that will make STEM teaching and learning experiences to become more meaningful through infusing the creative elements of visual arts. Hence, Reimagining STEM, Repurposing Art!

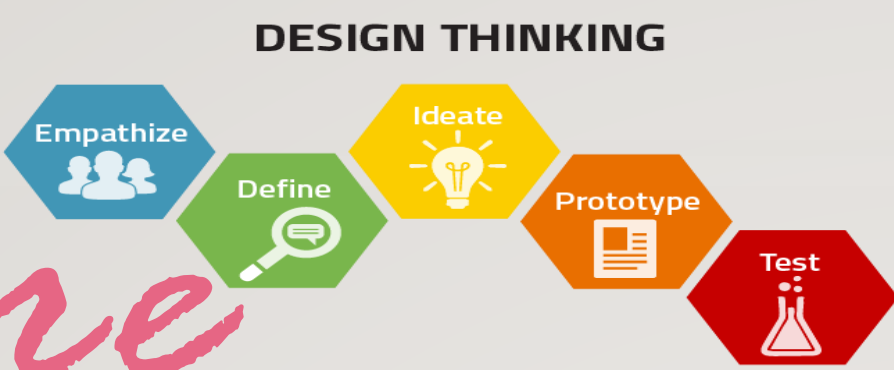
Recognition

Karnival Mai Tah Bainovasi
Kebangsaan @ Labuan
26 & 27 April 2019



STREAM.

Aspire



WHO?

Ideally for students who possess the talents in drawing and passionate about helping people to learn about STEM (e.g. Chemistry) through art.

WHAT?

- Recruitment of students through OPEN AUDITION to be part of MS Marvel Stream Aspire as The Marvelists.
- Requirement: adequate drawing skills.
- The Marvelists are trained to produce STEM artworks that will be beneficial for learning via DESIGN THINKING METHOD.
- Facilitators and The Marvelists conduct regular brainstorming sessions in order to create STEM artworks that will be effective in helping others to learn a certain area of STEM.
- Tools: Google Classroom, Instagram, Adobe Photoshop, Pinterest and etcetera.

- Initiation of Stream Aspire Club.
- Artworks are copyrighted with MyIPO.
- Shifting from Instagram to Pinterest.

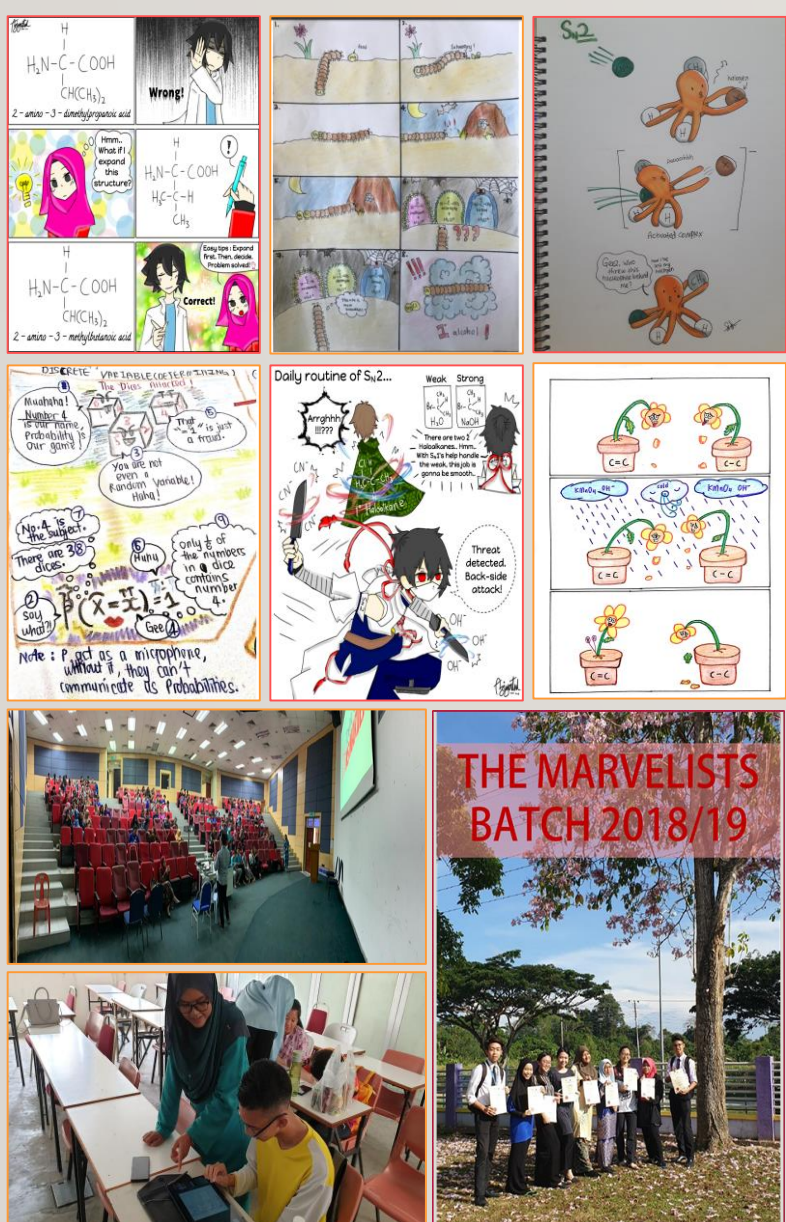
UPGRADE!

INVOLVEMENT

- Batch 18/19: 9 Students
- Batch 19/20: 7 Students

IMPACT!

From the THEMATIC ANALYSIS of The Marvelists' MINI JOURNALS, 3 THEMES have had emerged. These are the IMPACTS of Stream Aspire towards their learning experience in Labuan Matriculation College.



THEME (IMPACT) 1:
Effective Collaboration That Allowed Marvelists to Create and Grow Together as Artists & Students.

THEME (IMPACT) 2:
Renewed Interest in STEM (Chemistry).

THEME (IMPACT) 3:
Design Thinking Empowered Marvelists To Become Better Artists & Individuals.

STREAM.

Inspire

WHO?

This Stream is suitable for ALL STUDENTS as no specific drawing skills are required. It is all about having fun expressing STEM through individual expressions.

OBJECTIVES

- To make STEM learning ENJOYABLE.
- To make students to feel MORE RELAX in STEM lessons.
- To promote COLLABORATION through CREATIVE works.
- To increase CONFIDENCE in COMMUNICATING IDEAS.
- To instil greater sense of SOCIAL RESPONSIBILITY & EMPOWERMENT.

HOW IT GOES?

- 5 – 10 minutes of STEM Art Therapy
- 1 session or multiple sessions
- Based on sub-topics in STEM
- Group work (preferably in pairs)
- 1-minute sharing

INVOLVEMENT

- Batch 18/19: 191 Students
- Batch 19/20: 186 Students



%AGREE (N = 377)

97.9%	STATEMENT #1: STEM Art Therapy made lessons to be more enjoyable.
96.8%	STATEMENT #2: STEM Art Therapy helped to make lessons to be less stressful.
96.8%	STATEMENT #3: The 5 – 10-minute drawing sessions promoted collaboration through creative works.
94.1%	STATEMENT #4: The 1-minute sharing sessions increased confidence in communicating ideas.
98.4%	STATEMENT #5: STEM Art Therapy encouraged openness in sharing ideas.
93.6%	STATEMENT #6: STEM Art Therapy instilled higher sense of social awareness.
96.8%	STATEMENT #7: I looked forward for the next STEM Art Therapy sessions.

IMPACT: QUANTITATIVE

IMPACT: QUALITATIVE

OPEN ENDED QUESTION (THEMATIC ANALYSIS):

What were THE MOST USEFUL aspects of STEM Art Therapy?

1. Increased creativity in STEM (chemistry) learning (f = 41.7%).

2. It helped to improve STEM (chemistry) knowledge (f = 34.8%).

3. Therapeutic outlet (f = 11.4%).

MS MARVEL roadshows

- SMK Labuan, W. P. LABUAN
- SMK Tamparuli, SABAH
- SMK Tebobon, SABAH
- SBPI Kubang Pasu, KEDAH



Perbadanan Harta Negara, Malaysia
MyIPO
NOTIS PERMENTERANGAN HAK CIPTA
TAMBAHAN
Sukadewa Simanungkal, seorang rakyat Peringkat 1, Sabah telah membuat permohonan kepada Mahkamah Hak Cipta untuk memohon pendaftaran hak cipta bagi MS MARVEL ART: 25-29 March 2019. Atas nama PERMENDAHAN HAK CIPTA, MS MARVEL ART: 25-29 March 2019. KATEGORI KARYA: SASTERA. TARIKH PERMENTERANGAN PERTAMA: 15/04/2019. PENYUJUK: BYRON MC MICHAEL KADUM, UMMI KHALTOM USAINI, JUNIZA JASIN. PEMUNYA: BYRON MC MICHAEL KADUM, UMMI KHALTOM USAINI, JUNIZA BINTI USAINI. PERMENTERANGAN TIDAK BERKAITAN.

DOWNLOAD THE MODULE!

MS MARVEL ART: 25 – 29 March 2019

SEEING STEM WITH ARTISTIC EYES

Gallery for Charity



STEM Art Therapy outputs from Stream Inspire were displayed at a gallery for charity in collaboration with LMC Library & Centre of Excellence and UMSKAL Autism Development Centre. The fund amounted to RM322 was donated to UMSKAL Autism Development Centre.



LABUAN MATRICULATION COLLEGE

Elixir Nova

Byron MC Michael Kadum
Pensyarah Cemerlang Kimia • Leader

Juniza Jasin
Pensyarah Kimia • Secretary

Ummi Khaltom Usaini
Pensyarah Kimia • Special Tasks Officer