








NATIONAL INNOVATION & INVENTION COMPETITION 2022









GOLD AWARD

#	Code	Title	Affiliation	Sub-theme	Medal
Category: SEKOLAH MENENGAH (B)					
1	B13	Agricultural Pesticide Sprayer & COVID-19 Sanitization Drone DrX22	Maktab Rendah Sains Mara Sultan Azlan Shah, Kuala Kangsar, Perak	Pandemic Innovation, Education (PIE)	
2	B38	M-ISLAND	Sm Sains Pasir Puteh	Education (EDU)	
3	B94	CHOCO RODENTICIDE	Sm Sains Hulu Selangor	Biotechnology, Health and Chemicals (BHC)	
4	B179	Portable Pedestrian Crossing Alert System	Sekolah Menengah Islam Hidayah Pasirris Batu Pahat	ICT, Multimedia and Telecommunications, Electrical and Electronic (IME)	
5	B24	Conventional and Mean-Top-Bottom Imputation Method for Chaotic Modelling for Co Pollution Data Series	Akademi Sains Pendang	Agriculture, Environmental and Renewable Energy (ARE)	



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#	Code	Title	Affiliation	Sub-theme	Medal
Category: SEKOLAH MENENGAH (B)					
6	B142	CHARICA+ BIOLARVICIDE	SMK Bukit Rangin	Biotechnology, Health and Chemicals (BHC)	
7	B39	MEMORIA	Sekolah Menengah Sains Pasir Puteh	Education (EDU)	
8	B139	BP FLAKES	SMK Dato' Penggawa Barat	Agriculture, Environmental and Renewable Energy (ARE)	
9	B49	MATHS AROUND US	SMK Raja Perempuan Kelsom	Education (EDU)	
10	B191	MOF KIT	SMK Raja Perempuan Kelsom	Education (EDU)	
11	B57	CHARITY CROSSWORD	Sekolah Menengah Sains Pasir Puteh	Education (EDU)	



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#	Code	Title	Affiliation	Sub-theme	Medal
Category: SEKOLAH MENENGAH (B)					
12	B189	Smart Parcel Box (SP-Box)	Sekolah Menengah Kebangsaan Tinggi Kluang	Pandemic Innovation, Education (PIE)	
13	B65	KuPi'Ster	SMK Bukit Gambir	Agriculture, Environmental and Renewable Energy (ARE)	
14	B20	Smart Attendance Management System	SMK Tropicana	Education (EDU)	
15	B46	Hands-Free Door Handles	Akademi Sains Pendang	Pandemic Innovation, Education (PIE)	
16	B34	Automatic Sound Operated Recycling Bin	Sekolah Menengah Kebangsaan Seafield	Agriculture, Environmental and Renewable Energy (ARE)	
17	B105	Making English Fun App: An Edutainment Tool for Education 4.0	Sekolah Menengah Agama Kerajaan Johor	Education (EDU)	



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#	Code	Title	Affiliation	Sub-theme	Medal
Category: SEKOLAH MENENGAH (B)					
18	B195	The Polarsigh	Labuan International School	ICT, Multimedia and Telecommunications, Electrical and Electronic (IME)	
19	B187	Smart Garden Monitoring System (SGMS)	SMK Damansara Utama	Agriculture, Environmental and Renewable Energy (ARE)	
20	B88	Acronym Box	Sekolah Menengah Sains Pasir Puteh	Education (EDU)	
21	B70	AQUARIA	Sekolah Menengah Sains Pasir Puteh	Education (EDU)	
22	B41	Edu MyHabit	SMK Cyberjaya, Selangor	Education (EDU)	
23	B05	Intelligence Board 3.0	Sekolah Menengah Kebangsaan Tun Tjihah	Education (EDU)	



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#	Code	Title	Affiliation	Sub-theme	Medal
Category: SEKOLAH MENENGAH (B)					
24	B66	LIMAUISTIC	SMK Bukit Gambir, Tangkak	Agriculture, Environmental and Renewable Energy (ARE)	
25	B194	TATOCUP	SMK Dato' Penggawa Barat	Agriculture, Environmental and Renewable Energy (ARE)	
26	B50	Multipurpose Maths Kit	SMK Raja Perempuan Kelsom	Education (EDU)	
27	B131	Smart floor chair	Sekolah Menengah Islam Hidayah	Education (EDU)	
28	B28	WERIN - Portable Weather Risk Predictor	Maktab Rendah Sains Mara Sultan Azlan Shah	Agriculture, Environmental and Renewable Energy (ARE)	
29	B184	Salacca Mint Cat Litter Deodorizer	SMK Dato' Penggawa Barat	Agriculture, Environmental and Renewable Energy (ARE)	



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#	Code	Title	Affiliation	Sub-theme	Medal
Category: SEKOLAH MENENGAH (B)					
30	B192	STC KIT	SMK Tiong Hin	Automotive, Transportation and Industrial Design (AID)	
31	B113	Portable Solar-Powered Charging Station for School Students	Sekolah Menengah Islam Hidayah Pasirris Batu Pahat	Education (EDU)	
32	B12	Disinfection And Social Distancing Patrolling Robot - DRx2021	Maktab Rendah Sains Mara Sultan Azlan Shah, Kuala Kangsar	Pandemic Innovation, Education (PIE)	
33	B160	GREENTORS:A Green Corrosion Inhibitors	SMK Bukit Rangin	Agriculture, Environmental and Renewable Energy (ARE)	
34	B29	Fire Retardant Paint	MRSM Alor Gajah	Biotechnology, Health and Chemicals (BHC)	



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SILVER AWARD

#	Code	Title	Affiliation	Sub-theme	Medal
Category: SEKOLAH MENENGAH (B)					
1	B168	KMK Plant Pot	Sekolah Menengah Kebangsaan Labis	Agriculture, Environmental and Renewable Energy (ARE)	
2	B67	MA'GO Peel Bigss Candy	SMK Bukit Gambir	Agriculture, Environmental and Renewable Energy (ARE)	
3	B180	Practical Innovative Eco-Friendly Methane Gas Tank (PIEMGT)	SMK Dato' Penggawa Barat	Agriculture, Environmental and Renewable Energy (ARE)	
4	B143	Child Tracking System	SMK Seri Alam 2	ICT, Multimedia and Telecommunications , Electrical and Electronic (IME)	
5	B126	Online room reservation system	Sekolah Menengah Islam Hidayah, Batu Pahat	ICT, Multimedia and Telecommunications , Electrical and Electronic (IME)	



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#	Code	Title	Affiliation	Sub-theme	Medal
Category: SEKOLAH MENENGAH (B)					
6	B144	Clove Candle	SBP Integrasi Rawang	Pandemic Innovation, Education (PIE)	
7	B64	HEADSHOT PEDAS	SMK Bukit Gambir, Tangkak	Agriculture, Environmental and Renewable Energy (ARE)	
8	B145	Cocopeat Cup Sleeve	SMK Dato' Penggawa Barat	Agriculture, Environmental and Renewable Energy (ARE)	
9	B197	THERMOGEN	SBP Integrasi Rawang	Agriculture, Environmental and Renewable Energy (ARE)	
10	B117	RODA PUISI	Sekolah Menengah Sains Pasir Puteh	Education (EDU)	
11	B138	Auto side mirror	Sekolah Menengah Islam Hidayah Pasirris Batu Pahat	ICT, Multimedia and Telecommunications, Electrical and Electronic (IME)	
12	B185	Smart Attendance System with Contagious Disease Prevention Features	Sekolah Menengan Sains Alam Shah (ASIS), Kolej Genius Insan (KGI)	Pandemic Innovation, Education (PIE)	



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#	Code	Title	Affiliation	Sub-theme	Medal
Category: SEKOLAH MENENGAH (B)					
13	B183	River Water Inspector	Sekolah Menengah Islam Hidayah Pasirris Batu Pahat, Johor	Agriculture, Environmental and Renewable Energy (ARE)	
14	B47	Quiz On The Ladder	SM Sains Pasir Puteh	Education (EDU)	
15	B14	Social Distancing Detector and Face Shield with Temperature Sensor	Maktab Rendah Sains Mara Sultan Azlan Shah, Kuala Kangsar	Pandemic Innovation, Education (PIE)	
16	B04	ZENACCESSORIES: Depression Detecting Bracelet via Voice Pattern Recognition	MRSM Alor Gajah	Biotechnology, Health and Chemicals (BHC)	
17	B79	RIDDLE BOX	Sekolah Menengah Sains Pasir Puteh	Education (EDU)	
18	B206	RICKnROLL2.0	SAMT Sultan Salahuddin Abdul Aziz Shah	ICT, Multimedia and Telecommunications, Electrical and Electronic (IME)	
19	B140	BREATHING FREELY	SMK Seksyen 4 Bandar Kinrara	Pandemic Innovation, Education (PIE)	



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#	Code	Title	Affiliation	Sub-theme	Medal
Category: SEKOLAH MENENGAH (B)					
20	B30	E_Z MASK	SMJK Ayer Tawar	Pandemic Innovation, Education (PIE)	
21	B134	ANANAS HYDROGEL	SMK Dato' Penggawa Barat	Agriculture, Environmental and Renewable Energy (ARE)	
22	B58	B'STEM CHIPS	SMK Bukit Gambir	Agriculture, Environmental and Renewable Energy (ARE)	
23	B204	Magnetic Teaching Material 2.0 (MTM) : Science Teaching for Visual Learners	SAMT Sultan Salahuddin Abdul Aziz Shah	Education (EDU)	
24	B114	Q BOX	Sekolah Menengah Sains Pasir Puteh	Education (EDU)	
25	B147	E- WATER TOWER	SMK Dato' Penggawa Barat	Agriculture, Environmental and Renewable Energy (ARE)	
26	B86	PoultryFarm Easycare: A Solution for Heat Stress in Poultry	Sekolah Menengah Islam Hidayah Pasirris	Agriculture, Environmental and Renewable Energy (ARE)	



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#	Code	Title	Affiliation	Sub-theme	Medal
Category: SEKOLAH MENENGAH (B)					
27	B208	Tudung Saji Pelbagai Saiz	SAMT Sultan Salahuddin Abdul Aziz Shah	Biotechnology, Health and Chemicals (BHC)	
28	B69	AA BOARD	Sekolah Menengah Sains Pasir Puteh	Education (EDU)	
29	B175	FLIPPYGEBRA	SMK Putrajaya Presint 11(1)	Education (EDU)	
30	B56	T-SQUARE	SM Sains Pasir Puteh	Education (EDU)	
31	B135	AquaNotS	SMK Datuk Onn Butterworth	Agriculture, Environmental and Renewable Energy (ARE)	
32	B120	Soy Waste Based Flour	SM Sains Hulu Selangor	Biotechnology, Health and Chemicals (BHC)	
33	B32	HEZI SL	SM Sains Pasir Puteh	Education (EDU)	



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#	Code	Title	Affiliation	Sub-theme	Medal
Category: SEKOLAH MENENGAH (B)					
34	B36	INTELLIGENT C2	Sekolah Menengah Sains Pasir Puteh	Education (EDU)	
35	B45	The Hidden Beauty: Law of Lights and The Constellation	Akademi Sains Pendang	Education (EDU)	
36	B155	Food Delivery Robot	Sekolah Menengah Kebangsaan Yong Peng	Pandemic Innovation, Education (PIE)	
37	B209	Hot Endless	SMJK Jit Sin	Agriculture, Environmental and Renewable Energy (ARE)	
38	B167	Beach Trash Scoop	SMK Dato' Penggawa Barat Pontian	Agriculture, Environmental and Renewable Energy (ARE)	
39	B53	CATAPPOKA	Kolej Tunku Kurshiah	Agriculture, Environmental and Renewable Energy (ARE)	
40	B153	Fibre Mat	SMK Bukit Rangin	Agriculture, Environmental and Renewable Energy (ARE)	



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#	Code	Title	Affiliation	Sub-theme	Medal
Category: SEKOLAH MENENGAH (B)					
41	B121	TEALIZER	SM Sains Hulu Selangor	Agriculture, Environmental and Renewable Energy (ARE)	
42	B75	Interactive Website for Learning Biology	MRSM Kuala Berang	Education (EDU)	
43	B112	PLANTLET Organic Bag	SM Sains Hulu Selangor	Biotechnology, Health and Chemicals (BHC)	
44	B44	Toxin Filtration for Batik Industry Wastewater	Akademi Sains Pendang	Biotechnology, Health and Chemicals (BHC)	
45	B166	Incredible tap	SMK Yong Peng	Manufacturing Process, Machines and Equipment (MPE)	
46	B19	SAM - store, distribute and nail system	SMK Green Road	Manufacturing Process, Machines and Equipment (MPE)	
47	B157	Geranium Candle	SM Sains Hulu Selangor	Biotechnology, Health and Chemicals (BHC)	



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#	Code	Title	Affiliation	Sub-theme	Medal
Category: SEKOLAH MENENGAH (B)					
48	B116	Renerponics	SMK Mohd Khalid	Agriculture, Environmental and Renewable Energy (ARE)	
49	B15	Automated Medicine Dispense System	SMK Tropicana	Biotechnology, Health and Chemicals (BHC)	
50	B170	MABRICKS: Turning Used Masks into Alternative Bricks	Sekolah Menengah Sains Muzaffar	Pandemic Innovation, Education (PIE)	
51	B199	Waste Water Collector Boat	Maktab Rendah Sains Mara Tun Dr Ismail, Pontian	ICT, Multimedia and Telecommunications , Electrical and Electronic (IME)	
52	B91	ASCAR : A Self Charge Autonomous Robot	SMK Sultanah Asma	Agriculture, Environmental and Renewable Energy (ARE)	
53	B17	Improved k-Nearest Neighbor Experimentation for Co Pollution Real-Time Series through Chaotic Forecasting	Akademi Sains Pendang	Agriculture, Environmental and Renewable Energy (ARE)	
54	B92	BOBODYSEUBJE	SM Sains Hulu Selangor	Biotechnology, Health and Chemicals (BHC)	



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#	Code	Title	Affiliation	Sub-theme	Medal
Category: SEKOLAH MENENGAH (B)					
55	B61	QQ FLASH	Sekolah Menengah Sains Pasir Puteh	Education (EDU)	
56	B186	SMART BIN	SMK Seri Alam 2	ICT, Multimedia and Telecommunications , Electrical and Electronic (IME)	
57	B159	GREEN TOUCH: Soap used Cooking Oil with Lemongrass for Covid-19 Sanitizing	SMK Datuk Menteri	Pandemic Innovation, Education (PIE)	
58	B156	Garbage Mail	SMK Dato' Penggawa Barat	Agriculture, Environmental and Renewable Energy (ARE)	
59	B154	Fire Survival Window System	SMK Tung Hua	Building, Construction and Materials (BCM)	
60	B80	TASKSPANDA	SMK Mukah	ICT, Multimedia and Telecommunications , Electrical and Electronic (IME)	
61	B27	A BOX	Sekolah Menengah Sains Pasir Puteh	Education (EDU)	



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#	Code	Title	Affiliation	Sub-theme	Medal
Category: SEKOLAH MENENGAH (B)					
62	B25	INSPECT ELEMENT : Opening Barrier to The IoT	Akademi Sains Pendang	Education (EDU)	
63	B62	The GII Box	SM Sains Pasir Puteh	Education (EDU)	
64	B87	RANGESTIC	SMK Dato' Penggawa Barat	Agriculture, Environmental and Renewable Energy (ARE)	
65	B200	EZ DOUBLE STRIKE	SAMT Sultan Salahuddin Abdul Aziz Shah	Agriculture, Environmental and Renewable Energy (ARE)	
66	B89	ANTIfeelizer	SM Sains Hulu Selangor	Biotechnology, Health and Chemicals (BHC)	
67	B172	Motion-based musical trash can for education	Sekolah Menengah Islam Hidayah Pasirris Batu Pahat, Johor	Education (EDU)	
68	B37	PIECE OF BLOCK	SM Sains Pasir Puteh	Education (EDU)	



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#	Code	Title	Affiliation	Sub-theme	Medal
Category: SEKOLAH MENENGAH (B)					
69	B60	PUZZLE OF SYUKUR	Sekolah Menengah Sains Pasir Puteh	Education (EDU)	
70	B72	HF IRON	Sekolah Menengah Kebangsaan Dato' Sheikh Ahmad	Manufacturing Process, Machines and Equipment (MPE)	
71	B173	Multitasking Laundry Basket	SMK Senggarang	Manufacturing Process, Machines and Equipment (MPE)	
72	B162	Crane Hydraulic Model	SMK Dato Hamzah	Education (EDU)	
73	B104	Learning Science and Mathematics using Snake & Ladder; A STEM Game	SMK Bandar Tun Hussein Onn 2	Education (EDU)	
74	B181	Magic Tank	Sekolah Menengah Islam Hidayah Batu Pahat	Agriculture, Environmental and Renewable Energy (ARE)	
75	B178	PLANTYPOST - Smart Compost Fertilizer	SMK Bukit Rangin	Agriculture, Environmental and Renewable Energy (ARE)	



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Category: SEKOLAH MENENGAH (B)					
76	B165	i-QIRAAT 2.0	SBP Integrasi Rawang	Education (EDU)	
77	B122	The Proverbial House	Sekolah Menengah Sains Pasir Puteh	Education (EDU)	
78	B99	Evodia Suaveolens with Aloe Vera: Halal AntiMos Soap Bars and Gel	SMK Saujana Impian	Biotechnology, Health and Chemicals (BHC)	
79	B40	ZAKAT MASTER	Sekolah Menengah Sains Pasir Puteh	Education (EDU)	
80	B83	Robo-dust: A Robot Duster for Whiteboard during Teaching and Learning	Sekolah Menengah Islam Hidayah Pasirris Batu Pahat	Education (EDU)	
81	B133	Adjustable Sweeping Scooter	SMK Dato' Penggawa Barat	Agriculture, Environmental and Renewable Energy (ARE)	
82	B205	Plasticine Teaching Material (PTM): Science Teaching for Kinaesthetic Learners	Sekolah Agama Menengah Tinggi Sultan Salahuddin Abd Aziz Shah	Education (EDU)	



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BRONZE AWARD

#	Code	Title	Affiliation	Sub-theme	Medal
Category: SEKOLAH MENENGAH (B)					
1	B109	Nostalgia Game	Sekolah Menengah Sains Pasir Puteh	Education (EDU)	
2	B22	Solar Charges Bag fro Mobile	Sekolah Menengah Kebangsaan Jalan Paya Besar	ICT, Multimedia and Telecommunications , Electrical and Electronic (IME)	
3	B148	E-Ulangkaji: Aplikasi Laman Web untuk Ulangkaji Subjek Sains Tingkatan 2 bagi Bab 7 (Kelektrikan dan Kemagnetan)	SMK Seri Gading	Education (EDU)	



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#	Code	Title	Affiliation	Sub-theme	Medal
Category: SEKOLAH MENENGAH (B)					
4	B106	MaSBoard; A Game Board to study high school Science and Mathematics	SMK Bandar TUN HUSSEIN ONN 2	Education (EDU)	
5	B55	PRE-DOOM Track	Sekolah Menengah Sains Pasir Puteh, Kelantan	Education (EDU)	
6	B141	Bubble Blast Pop	SMK Bukit Rangin	Biotechnology, Health and Chemicals (BHC)	
7	B128	Coin Bank	SMK Munshi Sulaiman	Education (EDU)	
8	B81	TATALUCKY	SM Sains Pasir Puteh	Education (EDU)	
9	B202	HARe-Foot (Healthy Acupressure Reflexology Foot)	SAMT Sultan Salahuddin Abdul Aziz Shah	Biotechnology, Health and Chemicals (BHC)	



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#	Code	Title	Affiliation	Sub-theme	Medal
Category: SEKOLAH MENENGAH (B)					
10	B151	EZYGO Scoreboard	SMK Tiong Hin, Sibul, Sarawak	ICT, Multimedia and Telecommunications, Electrical and Electronic (IME)	
11	B158	Green Eco Fan	Sekolah Menengah Kebangsaan Yong Peng	Agriculture, Environmental and Renewable Energy (ARE)	
12	B203	MASKER4LYFE	SAMT Sultan Salahuddin Abdul Aziz Shah	Biotechnology, Health and Chemicals (BHC)	
13	B74	Intelligence SnD Box	SM Sains Pasir Puteh	Education (EDU)	
14	B78	Proverb in a Box	Sekolah Menengah Sains Pasir Puteh	Education (EDU)	
15	B63	LIVING WALLPAPERS: Algae as An Air Purifier	Pusat GENIUS@Pintar Negara UKM	Agriculture, Environmental and Renewable Energy (ARE)	



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Category: SEKOLAH MENENGAH (B)					
16	B01	ABCDEFGHI Evaluation Instrument for Social Context	SMK Impian Emas	Education (EDU)	
17	B35	H&C Bottle	SMK I.J Convent Johor Bahru	Agriculture, Environmental and Renewable Energy (ARE)	
18	B130	Bionatural Soap Torch Ginger Oil	SMK Kampung Bahagia	Biotechnology, Health and Chemicals (BHC)	
19	B71	Edible Sago Rumbia Bioplastic	MARA Junior Science College, Betong, Sarawak	Biotechnology, Health and Chemicals (BHC)	
20	B18	SDP-2022 Roller Painting System	SMK Green Road	Building, Construction and Materials (BCM)	
21	B07	Silent Restaurant Service	SMKA Johor Bahru	Pandemic Innovation, Education (PIE)	



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Category: SEKOLAH MENENGAH (B)					
22	B119	EZ-BOX	SM Sains Hulu Selangor	Agriculture, Environmental and Renewable Energy (ARE)	
23	B164	Hydraulic Power Lifting (HPL)	SMK Dato Hamzah	Education (EDU)	
24	B163	Hydraulic Labyrinth Maze	SMK Dato Hamzah	Education (EDU)	
25	B150	Electronic Travel bag for iPad	Sekolah Menengah Islam Hidayah, Batu Pahat, Johor	ICT, Multimedia and Telecommunications , Electrical and Electronic (IME)	
26	B123	The Hypersonic : For People Who Love Speed	SMK Mohd Khalid	Automotive, Transportation and Industrial Design (AID)	
27	B03	Eco Soap Anti Bacterial	Sekolah Indonesia Kota Kinabalu	Biotechnology, Health and Chemicals (BHC)	



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Category: SEKOLAH MENENGAH (B)					
28	B85	ID-MARB	Sekolah Menengah Sains Pasir Puteh	Education (EDU)	
29	B103	lot Pet Guardian (IPG)	SMK Tropicana	ICT, Multimedia and Telecommunications , Electrical and Electronic (IME)	
30	B161	Hair Cloth	Sekolah Menengah Kebangsaan Datuk Onn Butterworth	Agriculture, Environmental and Renewable Energy (ARE)	
31	B146	Date-Sugar	SM All Saints	Biotechnology, Health and Chemicals (BHC)	
32	B101	Idioms Block	Sekolah Menengah Sains Pasir Puteh	Education (EDU)	