2022 World GreenMech Contest Manual









Organizers









Operator



智高實業股份有限公司 GENIUS TOY TAIWAN CO., LTD

Contents

1. Overview	2
2. Introduction	3
3. Contest Schedule	4
3-1. GreenMech	4
3-2. Robot for Mission	6
4. GreenMech Junior	7
5. Contest Floor Plan	9
5-1. Campus Map	9
5-2. GreenMech	
5-3. Robot for Mission/GreenMech Junior	
6. Points to Remember	
7. Awards	
8. Appendix	
Restaurant Information	22
Taxi Information	22
Sightseeing Recommandation	
	7



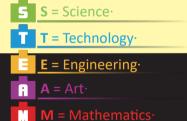
Contest Purpose

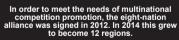
The 2022 World GreenMech Contest is a fun engineering competition run by the World Forum For GreenMech Promotion. Using scientific principles, this competition combines the following five aspects of learning and growing: Science, Technology, Engineering, Art, and Mathematics, also referred to as STEAM. There are three contests: (i) GreenMech (ii) R4M and (iii) GreenMech Jr.

The two contests GreenMech & R4M inspire contestants to engage in scientific study, creative problem solving, and help them better understand use of scarce resources in project planning. Contestants can enjoy pitting their different skills and creativity against each other in a fun and friendly environment. There is ample opportunity for all contestants to show the benefit of their contribution.

This year the GreenMech Jr. contest has two components – "Jr. Science" and "Jr. Programmer". Jr. Science is an entry level opportunity for learners to get involved in simple engineering projects. It's specially designed for children age 5-9. Jr. Programmer uses a variety of code oriented challenges to develop programming logic and problem-solving skills. Contestants can enjoy all the fun of hands-on design, teamwork and scientific literacy. The structure of the course, combined with a fun learning environment, means that children absorb the knowledge, skills and experience, taking it into their adult lives.















The GreenMech contest was established in 2006, this year we are celebrating the 14th annual contest!



GreenMech (GM, since 2006)

- Inspiring children's enthusiasm for learning.
- Giving children the opportunity for hands-on engineering experiences.
- Turning textbook knowledge into real, design solutions.
- Work in tight-knit teams (3-4), designing and assembling within challenging time limits.



Robot for Mission (R4M, since 2015)

- Inspiring creativity and curiosity about scientific techniques.
- Extending experiences from WGM to include remote control and programming functions.
- Work in tight-knit teams (3-4), designing and assembling within challenging time limits.



GreenMech Junior (GMJr, since 2018)

- Opportunities for our youngest engineers & designers to get involved. (Designed for kindergarten and elementary school grades 1 to 4).
- Simple task design allows students to enjoy hands-on fun while learning valuable teamwork





2022 World GreenMech Contest - Contest schedule GreenMech Schedule (Basic and Senior high school)

	Time	Item	Remarks
	07:40 ~ 08:20	Registration	1. Time to enter the venue and find your own team table. Please put all the contest material under the table in order. Contestant can start to assemble the Jumbo Base Grid (60*180 cm) on table. 2. Only contestants may be in the competition area after 08:00am. Team leaders and parents/guardians are not permitted after this time.
	08:00 ~ 08:50	Materials check and registration check.	1. The team leaders shall not enter the competition venue after 8:00 AM. 2. Judges will carry out a building materials inspection. Except for the chain, no blocks may be assembled in advance. 3. After a brief inspection, teams will be given a "qualified" label,whereupon contestants should sit at the table and may not touch the materials. 4. Personal items can be brought into the venue but must be placed on the table in conjunction with the inspection records. 5. Contestants need to present their Certificate of Student Enrollment at this time, see section 11.1 for more information.
99	08:50 ~ 09:00	Clarification of Rules	
	09:00 ~ 11:00	Production & Testing time	Please observe all competition rules. When leaving, do not run, be careful not to touch another group's work. There will be 120 minutes between commencement and lunch.
	11:00 ~ 12:10 Appraisals.		Please refer to section 7.5.
	12:50 ~ 13:50	Award Ceremony	Organizers make every effort to finish on time, but patients may be required depending on announcements and other possible delays.



GreenMech Schedule (Advanced)

Time	Item	Remarks
07:40 ~ 08:20	Registration	Time to enter the venue and find your own team table. Please put all the contest material under the table in order. Contestant can start to assemble the Jumbo Base Grid (60*180 cm) on table. Only contestants may be in the competition area after 08:00am. Team leaders and parents/guardians are not permitted after this time.
08:00 ~ 08:50	Materials check and registration check.	 The team leaders shall not enter the competition venue after 8:00 AM. Judges will carry out a building materials inspection. Except for the chain, no blocks may be assembled in advance. After a brief inspection, teams will be given a "qualified" label, whereupon contestants should sit at the table and may not touch the materials. Personal items can be brought into the venue but must be placed on the table in conjunction with the inspection records. Contestants need to present their Certificate of Student Enrollment at this time, see section 11.1 for more information.
08:50 ~ 09:00	Clarification of Rules	Participants attend the opening ceremony.
09:00 ~ 11:40	Production & Testing time.	Please observe all competition rules. When leaving, do not run, be careful not to touch another group's work. There will be 160 minutes between commencement and lunch. By 11:00am the Scientific Principles reference table will be collected by the Organizer.
11:40 ~ 12:30	Lunch.	Remember to assist in sorting the trash.
12:30 ~ 12:50	Announcements.	Contestants should wait for the Organizer's announcements and then be prepared to continue. If Contestants are not present at this time, they may not continue with the competition.
12:50 ~ 13:00	Fine-tuning.	Wait for the Organizers instruction to begin.
13:00 ~ 15:40	Appraisals.	Please refer to section 7.5.
15:40 ~ 16:10	Grading Time	
16:50 ~ 17:20	Award Ceremony.	Organizers make every effort to finish on time, but patients may be required depending on announcements and other possible delays.

Contest Schedule

R4M Schedule

	Time	Item	Remarks				
	07:40 ~ 08:20	Registration	Time to enter the venue and find your own team table. Please put all the contest material under the table in order. Contestant can start to assemble the Jumbo Base Grid (60*180 cm) on table. Only contestants may be in the competition area after 08:00am. Team leaders and parents/guardians are not permitted after this time.				
Chi	08:00 ~ 08:40	Materials check and registration check.	1. The team leaders shall not enter the competition venue after 8:00 AM. 2. Judges will carry out a building materials inspection. Except for the chain, no blocks may be assembled in advance. 3. After a brief inspection, teams will be given a "qualified" label, whereupon contestants should sit at the table and may not touch the materials. 4. Personal items can be brought into the venue but must be placed on the table in conjunction with the inspection records. 5. Contestants need to present their Certificate of Student Enrollment at this time,see section 11.1 for more information.				
	08:40 ~ 09:15	Clarification of Rules	Explain the rules and the precautions of the competition.				
	09:15 ~ 11:15	Assembly & Practice Time					
11712	09:40 ~ 11:30	Work Submission Period	1. Check to confirm the robot does not contain metal parts. 2. The robot and any spare car or other additions shall be weighed. 3. Participating robots (including spares) need to be verified by judges and will be retained until the contest time. 4. 5-Points may also be deducted for messy or untidy work areas. 5. For robot size regulations please see section 8.4. 6. After Submitting their work, contestants need to put all items (such as notebook, blocks, unused electronic control equipment, etc.) away from the competition area.				
	11:30 ~12:30	Lunch	After lunch contestants are expected to assist with sorting trash and keeping the competition area clean.				
	12:30 ~ 12:50	Announcements	When entering the venue, contestants may only carry a notebook, tablet or mobile phone, other items are not permitted.				
	13:00 ~ 15:30	Competition Time					
	15:45 ~ 16:35	Awards Ceremony	Organizers make every effort to finish on time, but some patients may be required depending on announcements and other possible delays.				



GreenMech Junior Schedule (Science)

	Oreenwech Junior Schedule (Science)							
	Time	Item	Remarks					
	08:40 ~ 09:00	Registration and Materials Inspection	Contestants should refer to the team location map on the official website before the contest begins, so they can go directly to their team table and report on the day of the contest. Contestants should check the provided materials against					
	09:00 ~ 09:10	Opening ceremony, rules reminder, lot drawing for scoring area	the list they are given. If there is any part missing, the staff must be informed before the contest begins. Once the production time begins, materials cannot be replenished or replaced. 3. Contestants need to present their Certificate of Student Enrollment at this time, please see 11.1 in the full rule book for more information.					
=	09:10 ~ 09:35	Competition One: New boat on the sea Assembly & Practice Time	Contestants can only use materials provided by the organizer on site, please see 9.2 in the full rule book for more information. Models produced for the competition are built and tested at the same time.					
	09:35 ~ 10:15	Competition One: New Boat on the Sea Competition Time	During the competition, contestants may only use the provided peg remover. Other outside tools are not permitted. Models will be weighed before the competition begins.					
	10:15 ~ 10:35	Competition Two: Casting the Rod Assembly & Practice Time	Contestants can only use materials provided by the organizer on site, please see 9.5 in the full rule book for more information.					
	10:35 ~ 11:15	Competition Two: Casting the Rod Competition Time	During the competition, contestants may only use the provided peg removal tool. Other outside tools are not permitted.					
	11:15 ~ 11:40	Site Recovery	All contestants move to the award ceremony venue.					
	11:40 ~ 11:55	Grading Time						
	11:55 ~ 12:20	Awards Ceremony.	Awards will be given after the results are settled.					

Contest Schedule

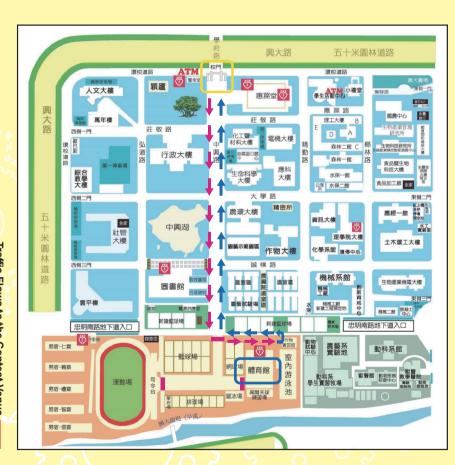
GreenMech Junior Schedule (Programmer)

	Time	Item	Remarks
	08:20 ~ 08:50	Registration and materials inspection	Teams may bring up to 3 robot control boxes, but all device memories must be erased during inspection
	08:50 ~ 09:00	Opening Ceremony	Participants attend the opening ceremony.
	09:00 ~ 09:10	Regulation review & Lot drawing for scoring area	Explain the rules and the precautions of the competition.
	09:10 ~ 09:20	Warm-up / Practice Time	Teams can prepare for the assembly section of the official competition.
	09:20 ~ 09:50	Warm-up / Competition Time	Teams must complete the warm-up challenge within the allotted time.
12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	09:50 ~ 11:30	Official Competition Time	15 minutes before the official competition, teams draw lots to determine their goals. They will then have 15 minutes to practice on their own in the team preparation area.
	11:30 ~11:55	Grading Time	
	11:55 ~ 12:20	Awards Ceremony	Awards will be given after the results are settled.





Campus Map



Traffic Flows to the Contest Venue and the Lounge

World GreenMech Contest Stairs B R4M & GMJ (GreenMech Jr.) Floor Plan -Main Stage 8 Help & Information **Stairs A** Stairs B Main Stage 2 R4M Floor Plan -Help & Information Stairs A

B1 in the morning

10

B1 in the afternoon

Entrance B

Entrance C

 Please take your health declaration card to register, and get the team label first. Stairs A Entrance D Entrance A GM&R4M: Please go to the B1 2F contest site via stairs A and B. Medical Station Help&information GM R4M GMJr. Main Stage 殴 Stairs B **VIP Room** Restroom



GM (GreenMech) Floor Plan - 1F

11



GreenMech

Team Location Map

Main Stage

GEB001 海山科研一	GEB002 中港綠巨人	GEB003 搭棚大師	GEB004 未來之星	GEB005 信義-獨行俠	GEB006 瑞坪B	GEB007 小天使	GEB008 創意無限
GEB016 新林國小創客三隊	GEB015 Great Master	GEB014 YT風鯊隊	GEB013 滾吧! 珠珠隊	GEB012 萬富Maker	GEB011 興隆國小A	GEB010 過關斬將顯神通	GEB009 凱旋特攻隊
GEB017 信義-捍衛戰士	GEB018 新林國小創客二隊	GEB019 歲格無敵瑪莉歐	GEB020 文化對不隊	GEB021 歲格超級瑪利歐	GEB022 火烏機關王	GEB023 小猪3+1	GEB024 埔小臥龍隊
						GEB026 喆安隊	GEB025 埔小四少隊
GMB001 建築小霸王	GMB002 三星國中GM基礎組	GMB003 瑞坪A	GMB004 北中冠京隊	GMB005 東光玩客隊	GMB006 排山倒海	GMB007 某某	GMB008 沒有名字
			GMB013 三光國中	GMB012 無言以隊	GMB011 暁明水電工	GMB010 智商復建團	GMB009 流浪的小孩
GHA001 宜蘭高中-宜中有品 成功有你	GHA002 宜蘭高中-大吉大利	GHA003 新生代	GHA004 佳城好帥對不隊	GHA005 環保小煎餅	GHA006 Godeit	GHA007 環境高蜂會	GHA008 蜂譎雲爺
				GHA012 東中四朵花	GHA011 蜂迴路轉	GHA010 黄河之水天上來	GHA009 16
GEA001 鯨采	GE A002 四葉幸運草	GEA003 ocean world	GEA004 興隆國小B	GEA005 機不可失	GEA006 石來運轉	GEA007 快樂天堂	GEA008 新林國小創客隊
GEA016 我們這一隊	GEA015 畢業	GEA014 小花機關隊	GEA013 生命之樹	GEA012 包你幸福洋溢	GEA011 我們很厲害 你說對 不隊	GEA010 大村紫鑽遊戲	GEA009 我們好棒棒隊
GMA001 人見仁愛	GMA002 龍行者	GMA003 哥吉拉倉鼠	GMA004 東光美客隊	GMA005 海王之子	GMA006 末日倒數	GMA007 柏賢隊	GMA008 木木君
GMA016 山雨欲來誰能阻擋?	GMA015 蘋果樹	GMA014 興耀傳說	GMA013 中正智慧王	GMA012 宜蘭生聲不息	GMA011 禾禾	GMA010 自造者聯盟	GMA009 銅蛋盪單槓
GMA017 地球之肺	GMA018 防疫-逆轉勝	GMA019 特斯拉	GMA020 未來城市	GMA021 跳躍吧!超級大包 歐			
Eleme	entary School		Junior High	School	Ser	ior High Sch	iool

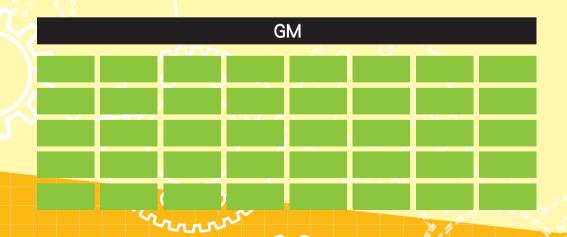
Contest Floor Plan

GreenMech

Team Location Map

Main Stage

GMJr.-Programmer Venue B Venue C Venue **D** Venue A JPC02 廣興程式創 客隊 JPB01 JPB02 JPC01 JPD01 森活二隊 JPD02 森活三隊 嗯~勝了隊 米奇妙妙屋 JPA04 史奎奇勇士 JPB03 5%設計行 JPA03 魚池隊 JPC03 高原B JPC04 極光隊 JPD03 草履蟲 JPD04 王梨天下 啦啦隊 JPB06 HIS 波斯頓 智慧隊 HIS 波斯頓機器人之王隊 JPA05 小王子 JPC05 明智的選擇 JPC06 小花我最行 JPD05 漳興國小 德興黃金獵 犬 QQ橋君 JPC08 布拉克星球 JPD07 德興小虎隊 JPB08 JPC07 森活一隊 JPD08 先瘋隊 哥吉拉隊 四通八達 瀚寶隊 秀峰



Robot 4 Mission Team Location Map

Main Stage

R4M



	Venue C								
	Referee	吳豪承							
	Second Referee	鄭育傑							
RB 10	R8860 2012	恐龍 小寶貝	RB 15	R8860 2017	青龍 好帥	R			
RB 11	R8860 2013	蛤啦	RB 16	R8860 2018	能赢 就好	R			
RB 12	R8860 2014	長頸鹿 小可愛	RB 17	R8860 2019	三星 國中 R4M	R			
RB 13	R8860 2015	湖中跑 得快	RB 18	R8860 2020	搖滾觀 落音	R			
RB 14	R8860 2016	BRW	RB 19	R8860 2025	稀有 動物	R			
		BRW				F			

Venue D										
Referee	賴建宏	賴建宏								
Second Referee	李志輝									
R8860 3001	素葉 匪懈	RC 06	R8860 3007	白銀聖騎士團						
R8860 3002	eoL那 劉攀	RC 07	R8860 3008	夢想 齒輪						
R8860 3003	皮皮蝦	RC 08	R8860 3009	YLSH- 築夢 踏實						
R8860 3005	破斧 陳郭	RC 09	R8860 3010	森上梅 友鉗						
R8860 3006	好問題	RC 10	R8860 3013	冷血 動物						
	R8860 3001 R8860 3002 R8860 3003 R8860 3005	Referce 期間宏 Second # 本年度 R8860 3001	Referce 調證	Referee 期證宏 Scond # 非用 R8860 新联 C R8860 3001 重解 C R8860 3002 整隆 77 3008 R8860 被序 77 3008 R8860 被序 80 3009 R8860 校序 80 3010						

Elementary School

Junior High School

Senior High School

GMJr.-Science

															4
EA05 飛翼	EA06 我們騎著 竹節蟲	JRA	EA07 線西 風箏隊	EA08 孔姊妹	70	KB05 阿蛙返 校隊	KB06 火星	JRB	KB07 HIS 波斯 頓超強貓 咪隊	KB08 璘機宜動	EC05 SANS	EC06 小藍	JRC	EC07 EC08 HIS 波斯 HIS 波斯 頓 天竺鼠 頓 蟒蛇隊 隊	
EA09 武士在吃 蘿蔔糕	EA10 旋風隊	Venue	EA11 線西 風光隊	EA12 萬富 A隊		KB09 育仁 大熊隊	KB10 路卡利歐	Venue	KB11 宣糧 來挑戰	KB12 布拉克星 球冒險隊	EC09 HIS 波斯 頓 兔兔隊		Venue	EC11 EC12 思賢阿宥 Victor隊	
EA13 大黃蜂	EA14 順利好 我同行		裁判桌	EA15 協和304		EB01 平林 三甲A	裁判桌		KB13 5%設計 行動	KB14 布拉克星 球星際隊	EC13 青溪冠軍 一隊	裁判桌		EC14 EC15 青溪冠軍 我們最強 二隊 棒	
ED001 高原A	ED002 廣興科學 創客隊A		裁判桌	ED003 萬富B隊		EE01 小花 茉莉	EE02 401-1		裁判桌	EE15 1715	EF01 翔徽雲實	裁判桌		EF02 德興小黑 EF03 熊 欣欣向榕	
ED004 楊梅小創 客	ED005 HIS 波斯 頓 黑曜石 隊	JRD	ED006 信義-昕昀 隊	ED007 三星製造 GMjr隊		EE03 401-2	EE04 大安 向前衝	JRE	EE05 華南 先鋒	EE06 獅豹隊	EF04 德興 小雲豹	EF05 僑光科學 小創客	JRF	EF06 EF07 平和國小 僑光科學 小創客2號	
ED008 信義-捷豹	ED009 信義-有理 射手	Venue	ED010 廣興科學 創客隊B	ED011 三和一級 棒		EE07 永保 領先	EE08 綠冰箱 子隊	Venue	EE09 石頭 家族	EE10 裕德 小隊	EF08 躍馬中原	EF09 廣興A	Venue	EF10 EF11 宜綺加油 傑出菁英	
ED012 三和得第	EA013 布拉克星		ED014 炫豐有我	ED015 3-2	~~	EE11 海山	EE12 北大國		EE13 水里孩	EE14 成功一定	EF12 永穀歡抑	EF13 腸約突起		EF14 EF15 甘之如喻 光榮Best	-



1. GreenMech (Basic) FAQ

- Q1 : Do the devices in the GM Basic Contest have to meet the theme of coexisting with water and soil?
- A1: There is no theme needed in the GM Basic Contest.
- Q2 : Do the devices in the GM Basic Contest need to use paper cards to make its appearance look better? Is there a clear rating for appearance?
- A2: No need to use paper cards, because there is no scoring item of appearance.
- Q3: How to measure the 30cm for raising the flag vertically?
- A3 : The vertical distance between the initial position and the final position of the flag should be at least 30 cm.
- Q4: What does it means that using bifurcation track(s) to send four balls to different positions at a distance more than 15 cm away respectively?
- A4 : After the bifurcation track, the final position of the four balls is 15 cm from each other.
- Q5: In the advanced task 2 of the GM Basic Contest, whether it is necessary to trigger the next device with the ball? Or can the next device be triggered by other object only if the ball is thrown out more than 30 cm?
- A5 : The next device can be triggered by either the ball or the elastic powered launching device.
- Q6: How does the order of the advanced tasks of the GM basic group be drawn?
- A6 : On the competition day, the sequence of the advanced tasks will be drawn twice: one for elementary school teams, and the other for junior high school teams. And the drawn result will used for all teams.



2. R4M FAQ

- Q1 : Can contestants use materials like paperboards? Or can contestants only use Gigo paperboards?
- A1 : In this competition, contestants can only use Gigo blocks (including Gigo papercards). However, other materials are not allowed.
- Q2 : Can contestants use portable chargers (power banks) marked with voltage?
- A2 : If the voltage of each power bank is compliant with Power Supplies & Restrictions, it can be used.
- Q3 : Are there a number of limitations for the main control board of the automation platform?
- A3 : There is no number of restrictions on the main control board, but the number of motors and the total voltage is limited.
- Q4: Can contestants use two main control boards in the A car?
- A4 : There is no number of restrictions on the main control board, but the number of motors and the total voltage is limited.
- Q5 : If the Gigo server motor is broken, can contestants replace it? Is there any restriction?
- A5: Each team will follow the school exercises or regional competitions to comply with their regulations. But in the World GrenMech Contest, the part specification needs to follow to the regulations of World GreenMech. If the team will get the prize in the World GreenMech, The organizer has the right to cancel the qualification of the winning qualification in accordance with the specifications of the robot in accordance with the regulations.
- Q6 : If contestants need to extend the length of the motor wire, can it be done before the competition?
- A6: The wire part can be extended before the competition.



- Q7: Can R4M use cotton threads or rubber bands?
- A7: It's okay to use cotton threads or rubber bands for mechanical operation, but it is not allowed to use them to fix or strengthen the structure or car body.
- Q8: Where is the default location of the Operator?
- A8: The location of the Operator is determined by the participating team. It can be placed in the groove or on the red bar. Because when it is placed in the groove, it may be not be easy to hook out. Because when it is hanged on the red bar, it is easy to drop out. Each team can decide to place it in either position according to its robots.
- Q9: For task four, if the horseshoe is not completely placed on the black base grid, but it crosses to the middle green dividing line, how is the score calculated?
- A9: The team can get points as long as the horseshoe touches the black base grid. However, the team gets no points if the horseshoe entirely lies on the green line without touching the black base grid.
- Q10: If only half of the black pieces in Task 6 are in the gear, are there any points?
- A10 : Black, grey and white pieces must be wholly in the gear, so the team can get points.
- Q11: For task 4, will the yellow horseshoes get points if they are stacked together?
- A11: The team can get points as long as the horseshoe are in the black base grid, whether the horseshoes are stacked or not.
- Q12: May a team add the counterweight (such as two tires) after A car returns to the starting point?
- A12 : Please refer to Regulations 8.2.2., the teams can only repair the arms, they cannot change the structure of the car (such as the tires).



World GreenMech Awards

GreenMech Contest (Basic)

Position	Prizes	Number of Awards
Gold Medal (1 st place)	Award certificate for contestants and team leader. Cash NTD \$ 10000 One Princess Cup Trophy	One team for each division
Silver Medal (2 nd place)	Two teams for each division	
Bronze Medal (3 nd place)	Award Certificate for Contestant and team leader Cash NTD \$ 2500 One Princess Cup Trophy	Three teams for each division
Honorable Mention Award	Award certificate for contestants and team leader.	For top 50 th percentile in each division (not include gold, silver, bronze medal)
STEAM Overseas Educational Contribution Award	Award certificate for contestants and team leader.	For overseas countries



GM(Advanced & Senior high school) and R4M Contest Award

	Position	Prizes	Number of Awards
	Gold Medal (1 st place)	Award certificate for contestants and team leaders. Cash NTD \$ 20000 One Princess Cup Trophy	One team for each division
	Silver Medal (2 nd place)	Award certificate for contestants and team leaders. Cash NTD \$ 10000 One Princess Cup Trophy	Two teams for each division
	Bronze Medal (3 nd place)	Award certificate for contestants and team leaders. Cash NTD \$ 5000 One Princess Cup Trophy	Three teams for each division
	Honorable Mention Award	Award certificate for contestants and team leader.	For top 50th percentile in each division (not include gold, silver, bronze medal)
2	STEAM Overseas Educational Contribution Award	Award certificate for contestants and team leader.	For overseas countries



GreenMech Junior Contest Award

	Position	Prizes	Number of Awards
	Gold Medal (1 st place)	Award certificates for contestants and team leaders. One product prize for each participant. One Princess Cup Trophy	One team for each division
	Silver Medal (2 nd place)	Award certificates for contestants and team leaders. One product prize for each participant. One Princess Cup Trophy	One team for each division
	Bronze Medal (3 nd place)	Award certificates for contestants and team leaders. One product prize for each participant. One Princess Cup Trophy	One team for each division
	Honorable Mention Award	Award certificate for contestants and team leader.	For top 50th percentile in each division (not include gold, silver, bronze medal)
	STEAM Overseas Educational Contribution Award	Award certificate for contestants and team leader.	For overseas countries



Remarks

- 1. The Contest Organizers hold the right to adjust the above prize schedules for any reason, which may mean increasing or decreasing them. The total number of teams entered in the competition may be a factor in deciding final prizes if the number of contestants' changes.
- 2.The Gold Medal, Silver Medal, Bronze Medal winners will be announced on the day of the contest. All certificates will be sent to the first named person listed on the registration document. Certificates will be sent after the contest and can be expected to arrive within one month of the award ceremony.
- 3.All contestants will be presented with digital certificates as a gesture of encouragement. These certificates will be downloadable by contestants and team leaders after the contest, and can be printed by participants.
- 4.Merit certificates for winning teams will be sent out within one month of the completed contest. Please pay attention to official website announcements. Winning teams that have not received awards should contact the Organizer for replacements. In the event of incorrect personal information being submitted during registration (i.e. wrong name, mail or email address) postage and other costs for replacement will be borne by the contestant for USD\$7.
- 5. Winning teams must cooperate with the Organizer to display and preserve their works. The Gold Medal and the Silver Medal winners of the world-series are required to provide their model for filming within one month of the competition, to facilitate promotion and further education. If it is preferred, contestants can film their model in operation before the contest.

GM, R4M & GMJR Trophies

Contestant Medals





On Site

NCHU Student Center Restaurant

Links: http://oga1.nchu.edu.tw/recruit1/recruit.html Actual business hours may be subject to change.

Taxi Information

Metro Taxi Co. Ltd.

(04)4499178 Direct Taxi Contact Number 55178

Taiwan Taxi Co., Ltd.

(04)22591918 (04)22465555 Direct Taxi

Contact Number 55688

ZhongNanHai Co., Ltd.

(04)23163388

Sightseeing Recommandation

National Library of Public Information https://www.nlpi.edu.tw/





World Forum For GreenMech Promotion

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World GreenMech Contest Official Website





















Rumahêdukasi Mikan (1)



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