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## InnoTech Online Workshop Timetable (Feb 2023)

| Date      | Time        | Workshop Name  | Code     | Target Grade                     | Quota | Workshop Material | Description   |
|-----------|-------------|--|----------|----------------------------------|-------|-------------------|---|
| 25/2/2023 | 10:00-11:00 | Fireflies CATCH<br>(Parent companion is required)  | 25-WC-11 | Parent-child<br>P1-P3/ P4-<br>P6 | 30    | Yes               | <p>Fireflies are one of the most popular and beloved insects in the world. What do you know about fireflies other than the soft glow they produce? In this workshop, participants can understand the characteristic of circuits and perform scientific experiments to make a unique firefly. Besides, participants can also learn some interesting biological facts about fireflies.</p> <p><b>*Participants need to prepare as follow.</b></p> <ol style="list-style-type: none"> <li>1.Cello tapes</li> <li>2. Scissors</li> <li>3. Sign pen</li> </ol>   |
| 25/2/2023 | 10:15-11:15 | Learn Blue, Live Green-Play to Learn, Inspire to Live                                    | 25-WA-11 | P.4-S.3                          | 30    | No                | <p>Myth of Aquatics - A Message from the Future<br/>(MESIA) Mass Extinction Special Investigation Agency, Need You!</p> <p>An encrypted secret message was sent from the future, foretelling that humankind will go extinct due to a certain kind of mass catastrophe. We will need help from young detectives (S.1-S.3 students) to join the investigation progress on finding out the cause; and learn to use blockchain technology to safeguard the data for communicating with future detectives. Young ones! The future of humankind is on you!</p> <p>  Learn the causes and effects of climate change   Learn to own your NFT   Learn the foundation knowledge of blockchain and cryptocurrency  </p> <p><b>*Participants need to prepare as follow.</b></p> <ol style="list-style-type: none"> <li>1.Pen/pencil and table matt</li> <li>2. A desktop/ laptop computer and make sure the Chrome is able to open before class.</li> </ol> |
| 25/2/2023 | 10:30-11:30 | Basic 3D Design with Tinkercad<br>Introduction on Coding for 3D Design<br>with Tinkercad | 25-WB-11 | S.1-S.3                          | 30    | No                | <p>Tinkercad is a Free online software tools from Autodesk that enable complete beginners to create 3D models.</p> <p>Students will learn how to create 3D models using draggable blocks of code.</p>   |

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| 25/2/2023 | 12:00-12:45 | Chain Reaction (Children Science Magazine)            | 25-WB-12 | P.1 – P.3                        | 20    | Yes               | <p>“ &lt;&lt;Children Science Magazine&gt;&gt;<br/>Creative Scientist Training Course” uses chosen &lt;&lt;Children Science Magazine&gt;&gt; as teaching materials, aims to let students becoming more interested in Sciences. Though the practical experiments, students will know how to think creatively and logically.</p> <p><b>*Participants need to prepare scissors, paper ,colour pen and tape for experiment</b></p>  |

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|-----------|-------------|---|----------|------------------------------|-------|-------------------|---|
| 25/2/2023 | 13:15-14:00 | Climbing Robot (Children Science Magazine)        | 25-WB-13 | P.1 – P.3                    | 20    | Yes               | <p style="text-align: center;">“ &lt;&lt;Children Science Magazine&gt;&gt;<br/>Creative Scientist Training Course” uses chosen &lt;&lt;Children Science Magazine&gt;&gt; as teaching materials, aims to let students becoming more interested in Sciences. Though the practical experiments, students will know how to think creatively and logically.</p> <p style="text-align: center;"><b>*Participants need to prepare scissors, paper ,colour pen and tape for experiment</b></p>  |
| 25/2/2023 | 13:30-14:30 | Fireflies CATCH<br>(Parent companion is required) | 25-WC-13 | Parent-child<br>P1-P3/ P4-P6 | 30    | Yes               | <p>Fireflies are one of the most popular and beloved insects in the world. What do you know about fireflies other than the soft glow they produce? In this workshop, participants can understand the characteristic of circuits and perform scientific experiments to make a unique firefly. Besides, participants can also learn some interesting biological facts about fireflies.</p> <p style="text-align: center;"><b>*Participants need to prepare as follow.</b></p> <ol style="list-style-type: none"> <li>1.Cello tapes</li> <li>2. Scissors</li> <li>3. Sign pen</li> </ol> |
| 25/2/2023 | 13:45-14:45 | Robotics Zoo- Rabbit                              | 25-WA-13 | P.4-S.6                      | 30    | Yes               | <p>Participants will build a quadrupedal animal with the use of prepared plastics pieces, gearbox, screws and nuts, meantime, familiar with some robotics fundamentals</p> <p style="text-align: center;"><b>*Participants need to prepare 2 batteries, ‘ + ’ and ‘ – ’ Small screw drivers for experiment</b></p>  |
| 25/2/2023 | 14:45-15:30 | DIY Fan (Children Science Magazine)               | 25-WB-14 | P.1 – P.3                    | 20    | Yes               | <p style="text-align: center;">“ &lt;&lt;Children Science Magazine&gt;&gt;<br/>Creative Scientist Training Course” uses chosen &lt;&lt;Children Science Magazine&gt;&gt; as teaching materials, aims to let students becoming more interested in Sciences. Though the practical experiments, students will know how to think creatively and logically.</p> <p style="text-align: center;"><b>*Participants need to prepare scissors, paper ,colour pen and tape for experiment</b></p>  |

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|-----------|-------------|---|----------|----------------------------------|-------|-------------------|---|
| 25/2/2023 | 15:00-16:00 | Climbing and abseiling toys<br>(Parent companion is required) | 25-WC-14 | Parent-child<br>P1-P3/ P4-<br>P6 | 30    | Yes               | Friction is everywhere in our life! In this workshop, we will explore the application of friction in daily life. We will also use cardboard, string and other simple materials to create funny climbing and abseiling toys!<br><br>*Participants need to prepare as follow.<br>1. Scissors<br>2. Ruler<br>3. Color pen(e.g. wooden crayons, color sign pen)<br>4. Crepe tape            |
| 25/2/2023 | 15:15-16:15 | Robotics Zoo- Rabbit  | 25-WA-14 | P.4-S.6                          | 30    | Yes               | Participants will build a quadrupedal animal with the use of prepared plastics pieces, gearbox, screws and nuts, meantime, familiar with some robotics fundamentals<br><br>*Participants need to prepare 2 batteries, ' + ' and ' - ' Small screw drivers for experiment  |
| 25/2/2023 | 16:00-16:45 | Climbing Robot (Children<br>Science Magazine)                 | 25-WB-15 | P.1 – P.3                        | 20    | Yes               | " <<Children Science Magazine>><br>Creative Scientist Training Course" uses chosen <<Children Science Magazine>> as teaching materials, aims to let students becoming more interested in Sciences. Though the practical experiments, students will know how to think creatively and logically.<br><br>*Participants need to prepare scissors, paper ,colour pen and tape for experiment |
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| 25/2/2023 | 18:00-19:00 | Climbing and abseiling toys<br>(Parent companion is required) | 25-WC-16 | Parent-child<br>P1-P3/ P4-P6 | 30    | Yes               | Friction is everywhere in our life! In this workshop, we will explore the application of friction in daily life. We will also use cardboard, string and other simple materials to create funny climbing and abseiling toys!<br><br>*Participants need to prepare as follow.<br>1. Scissors<br>2. Ruler<br>3. Color pen(e.g. wooden crayons, color sign pen)<br>4. Crepe tape  |
| 26/2/2023 | 10:00-11:00 | Game Master with AI   | 26-WC-11 | P4-P6 / S.1-S.3              | 30    | No                | Have you ever got stuck in a game and felt desperate? Let's try using artificial intelligence to assist you! This workshop covers the principal and application of artificial intelligence in recent year. The participants will design and train a "AI Game Master" with machine learning technique!<br><br>*Participants need to prepare desktop with webcam  |
| 26/2/2023 | 10:15-11:15 | Learn Blue, Live Green-Play to Learn, Inspire to Live         | 26-WA-11 | P.4-S.3                      | 30    | No                | Myth of Aquatics - A Message from the Future (MESIA) Mass Extinction Special Investigation Agency, Need You!<br>An encrypted secret message was sent from the future, foretelling that humankind will go extinct due to a certain kind of mass catastrophe. We will need help from young detectives (S.1-S.3 students) to join the investigation progress on finding out the cause; and learn to use blockchain technology to safeguard the data for communicating with future detectives. Young ones! The future of humankind is on you!<br>  Learn the causes and effects of climate change   Learn to own your NFT   Learn the foundation knowledge of blockchain and cryptocurrency  <br><br>*Participants need to prepare as follow.<br>1. Pen/pencil and table matt<br>2. A desktop/ laptop computer and make sure the Chrome is able to open before class. |
| 26/2/2023 | 10:30-11:15 | Chain Reaction (Children Science Magazine)                    | 26-WB-11 | P.1 – P.3                    | 20    | Yes               | "<<Children Science Magazine>> Creative Scientist Training Course" uses chosen <<Children Science Magazine>> as teaching materials, aims to let students becoming more interested in Sciences. Though the practical experiments, students will know how to think creatively and logically.<br><br>*Participants need to prepare scissors, paper ,colour pen and tape for experiment   |

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| 26/2/2023 | 15:00-16:00 | The Magic of Flight<br>(Parents should accompany P.1-P.6 participants to join this workshop) | 26-WC-14 | Parent-child<br>P1-P3 / P4-P6 / S.1-S.3 | 30    | No                | <p>The workshop will introduce the ancient and modern aircrafts. By making bamboo-copter and glider using simple materials, participants will learn the law of motions, theory of flight and aerodynamics. They will also learn how pilot controls the flight of an aircraft through simple experiments.</p> <p><b>*Participants need to prepare as follow.</b></p> <ol style="list-style-type: none"> <li>1) A4 papers</li> <li>2) Scissors</li> <li>3) Cello tapes</li> </ol> |

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