**Event Announcements of Maker Bases of October 2020**

| Organized by | Course Content |
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| Taipei-Keelung-Yilan-Hualien-Kinmen-Matsu Regional Branch | Maker Practice : Self-made 3D Printer Equipment  Time: 7th and 8th October, 09: 00-16: 00  Location: Taipei-Keelung-Yilan-Hualien-Kinmen-Matsu Regional Branch, IoT maker base  Content: Assembly, analysis and presentation, motor electricity adjustment, feeding mechanism commentary, and platform adjustment.  Object: All Citizens  Link: https://www.facebook.com/makerbase (enrollment ended) |
| Taipei-Keelung-Yilan-Hualien-Kinmen-Matsu Regional Branch | Course Name: Develop an IoT smart home integration platform based on Home Assistant  Time: 15th, 16th, 22nd, and 23rd October, 13:00-16:00  Location: Taipei-Keelung-Yilan-Hualien-Kinmen-Matsu Regional Branch IoT maker base  Content: This workshop is based on the open source project *“Home Assistant*” to integrate multiple smart house sensors by using tree berry pie (Raspberry Pi. 3B) for main core control, and create a personalized smart home environment.  Object: All Citizens  Link: <https://www.facebook.com/makerbase> (enrollment ended) |
| Taipei-Keelung-Yilan-Hualien-Kinmen-Matsu Regional Branch | Course Name: Self-made IoT WiFi scoring game module  Time: 28th and 27th October, 09:00-16:00  Location: Taipei-Keelung-Yilan-Hualien-Kinmen-Matsu Regional Branch IoT maker base  Content: In MQTT architecture servers build the network layer, control data for the cloud storage and management of transmission, completion of things distal end applications without limitation limits implementation.  Object: All Citizens  Link: <https://www.facebook.com/makerbase> (enrollment ended) |
| Taoyuan-Hsinchu-Miaoli Regional Branch | Course Name: 2020 Taiwan Workers' Day  Time: 17th October, 11:00-19:00  Location: Warehouse No. 4, Songshan Cultural and Creative Park, Taipei  **Content:** The Taiwan man-days post event dynamic fashion show, designers Showroom room exhibition, the Ministry of Labor highlights talent show booths, set-off fashion to send Gifts activities and interactive art installations and so on.  Object: All Citizens  **Link:** <https://www.facebook.com/FashionDesignMakerSpace/> |
| Taoyuan-Hsinchu-Miaoli Regional Branch | Course Name: Grasp the essentials of cultural and creative trend management  Time: 31st October, 13:30-16:30  Location: Taoyuan-Hsinchu-Miaoli Regional Branch, Fashion Design Maker Space  Content: A talk on management given by the co-founder of the well-known “InBloom” corporate.  Object: All Citizens  **Link:** <https://www.facebook.com/FashionDesignMakerSpace/> |
| Taoyuan-Hsinchu-Miaoli Regional Branch | Course Name: Digital embroidery machine operation course  Time: 30th October30, 10:00-17:00  Location: Taoyuan-Hsinchu-Miaoli Regional Branch, Fashion Design Maker Space  Content: This course is offered for those who are interested and qualified for the selection. The course will provide basic operation of a single-head six-color electronic embroidery machine and an introduction to the related conversion procedures.  Object: 14-year-old or above is preferred, possesses clothing, sewing and other related operations or ability certificates [Note], and aims to become a clothing or textile practitioner are welcomed to join us.  [Note]: Studying in clothing design and other related disciplines, or engaged in garment industry, trademark weaving, embroidery lace, webbing, lace, ribbon and textile related industries. Those who have not obtained the C-level clothing technician license, please upload the relevant academic qualifications or work certificates.  Link: <https://www.facebook.com/FashionDesignMakerSpace/> |
| Taichung-Changhua-Nantou Regional Branch | Course Name: Basic training course- CNC software teaching and CNC 3-axis engraving machine (key house)  Time: 7th and 8th October, 18:30-21:30  Location: Taichung-Changhua-Nantou Regional Branch TCN MAKER BASE--TAICHUNG  Content: Students are expected to practice CNC software and perform CNC production.  Object: Members Only  Link: <https://ys.tcnr.gov.tw/activity_detail.php?id=1213> |
| Taichung-Changhua-Nantou Regional Branch | Course Name: Equipment and software basic operation course－Arduino Session and Laser Engraving Operation (UV Utensil Box)  Time: 13th and 15th October, 18:30-21:30  Location: Taichung-Changhua-Nantou Regional Branch, TCN MAKER BASE--NANTOU  Content: Students are expected to produce works by performing Arduino with laser engraving.  Object: Members Only  Link: <https://ys.tcnr.gov.tw/> |
| Taichung-Changhua-Nantou Regional Branch | Course Name: Makers’ Skill Workshop-Laser Engraving Frame  Time: 17th and 18th October, 09:00-17:00  Location: Taichung-Changhua-Nantou Regional Branch, TCN MAKER BASE--NANTOU  Content: Students are expected to practice laser engraving and make photo frames.  Object: Members Only  Link: <https://ys.tcnr.gov.tw/> |
| Taichung-Changhua-Nantou Regional Branch | Course Name: 2020 Makers’ Festival-MAKER WONDERLAND  Time: 24th and 25th October24, 09:00-17:00  Location: Feng Chia University  Content: On-site selection of makers’ works display, hand-made experience opportunities, and crafting competitions.  Object: All Citizens  Link: <https://ys.tcnr.gov.tw/> |
| Taichung-Changhua-Nantou Regional Branch | Course Name: Equipment and software basic operation course－Software session and 3D Printing Operation  Time: 28th and 29th October, 18:30-21:30  Location: Taichung-Changhua-Nantou Regional Branch, TCN MAKER BASE--TAICHUNG  Content: Students are expected to learn how to use software for 3D Printing Operation and practice production process.  Object: All Citizens  Link: <https://ys.tcnr.gov.tw/activity_detail.php?id=1218> |
| Taichung-Changhua-Nantou Regional Branch | Course Name: Makers’ Topic—Sustainable Fasion, Eco-friendly Clothing  Time: 31st October  Location: Taichung-Changhua-Nantou Regional Branch, TCN MAKER BASE--TAICHUNG  Content: Combing sustainability, eco-friendly, and fashion, please join us to engage in the global sustainable fashion trend.  Object: All Citizens  Link: <https://ys.tcnr.gov.tw/activity_detail.php?id=1217> |
| Taichung-Changhua-Nantou Regional Branch | Course Name: Makers’ Joy-Spherical Mini Car  Time: 31st October, 1st ,7th, and 8th November, 09:30-17:00  Location: Taichung-Changhua-Nantou Regional Branch, TCN MAKER BASE--TAICHUNG  Content: Arduino Programming, Basic Electricity, and 3D Printing.  Object: All Citizens  Link: <https://ys.tcnr.gov.tw/> |
| Yunlin-Chiayi-Tainan Regional Branch | Course Name: National Champion of Skills Workshop-Cutting your own hair  Time: 6th October, 18:30-21:30  Location: Southern Taiwan Maker Center  Content: Students are expected to practice cutting your own hair  Object: All Citizens  Link: <https://southmaker.wda.gov.tw/Course/List> |
| Yunlin-Chiayi-Tainan Regional Branch | Course Name: Technical drawing：Actual Size Marking  Time: 7th October, 18:30-21:30  Location: Southern Taiwan Maker Center  Content: Students are expected to practice technical drawing  Object: All Citizens  Link: <https://southmaker.wda.gov.tw/Course/List> |
| Yunlin-Chiayi-Tainan Regional Branch | Course Name: National Champion of Skills Workshop-Hand-made Tissue Pack  Time: 7th October, 18:30-21:30  Location: Southern Taiwan Maker Center  Content: Students are expected to practice to process of making a tissue pack.  Object: All Citizens  Link: <https://southmaker.wda.gov.tw/Course/List> |
| Yunlin-Chiayi-Tainan Regional Branch | Course Name: Technical drawing：Discussion  Time: 14th October, 18:30-21:30  Location: Southern Taiwan Maker Center  Content: Students are expected to practice technical drawing  Object: All Citizens  Link: <https://southmaker.wda.gov.tw/Course/List> |
| Yunlin-Chiayi-Tainan Regional Branch | Course Name: Old Jeans Reuse  Time: 14th October, 9:30-16:30  Location: Southern Taiwan Maker Center  Content: Students are expected to transform old jeans into a new apron  Object: All Citizens  Link: <https://southmaker.wda.gov.tw/Course/List> |
| Yunlin-Chiayi-Tainan Regional Branch | Course Name: Basic Operation Digital embroidery  Time: 14th October14, 18:30-21:30  Location: Southern Taiwan Maker Center  Content: Students are expected to practice basic operation process of digital embroidery machine.  Object: All Citizens  Link: <https://southmaker.wda.gov.tw/Course/List> |
| Yunlin-Chiayi-Tainan Regional Branch | Course Name: National Champion of Skills Workshop- Elementary Graphic Design  Time: 15th October15, 18:30-21:30  Location: Southern Taiwan Maker Center  Content: An Introduction to Graphic Design  Object: All Citizens  Link: <https://southmaker.wda.gov.tw/Course/List> |
| Yunlin-Chiayi-Tainan Regional Branch | Course Name: Rose bud made by Welding  Time: 18th October, 18:30-21:30  Location: Southern Taiwan Maker Center  Content: Students are expected to make rose flowers by practice welding  Object: All Citizens  Link: <https://southmaker.wda.gov.tw/Course/List> |
| Yunlin-Chiayi-Tainan Regional Branch | Course Name: Elementary 3D Modelling  Time: 20th October, 18:30-21:30  Location: Southern Taiwan Maker Center  Content: An Introduction to 3D modelling  Object: All Citizens  Link: <https://southmaker.wda.gov.tw/Course/List> |
| Yunlin-Chiayi-Tainan Regional Branch | Course Name: Proximity card Reform Workshop  Time: 27th October, 18:30-21:30  Location: Southern Taiwan Maker Center  Content: Students are expected to practice to reform prox cards  Object: All Citizens  Link: <https://southmaker.wda.gov.tw/Course/List> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: Metal Processing-Polishing  Time: 14th October, 18：30-21：30  Location: Maker Inn (3F., No. 105, Kaixuan 4th Rd., Qianzhen Dist., Kaohsiung City)  Content: Students are expected to practice different polishing skills to display various textures on the metal service. Advanced polishing skills will be given in the class as well.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: Brass Utensil Production  Time: 15th October15, 18：30-21：30  Location: Maker Inn (3F., No. 105, Kaixuan 4th Rd., Qianzhen Dist., Kaohsiung City)  Content: Students are expected to practice brass processing to produce desert utensils with techniques of sawing, raising and sinking in the class.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: Machine stitching for making card holders  Time: 16th October, 18：30-21：30  Location: Maker Inn (3F., No. 105, Kaixuan 4th Rd., Qianzhen Dist., Kaohsiung City)  Content: Advanced machine stitching session for making card holders by using the sketches done in the previous classes.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: Leather Zipper Wallet -Leather Processing  Time: 17th October, 09：30-12：30  Location: Maker Inn (3F., No. 105, Kaixuan 4th Rd., Qianzhen Dist., Kaohsiung City)  Content: Students are expected to understand leather, process methods, and leather dying approaches.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: Leather Zipper Wallet – Stitching a zip to leather bags.  Time: 17th October, 14：00-17：00  Location: Maker Inn (3F., No. 105, Kaixuan 4th Rd., Qianzhen Dist., Kaohsiung City)  Content: In this session, we will teach students stitching zippers to leather bags.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: Introduction to Timbers  Time: 18th October, 10：00-12：00  Location: Maker Inn (3F., No. 105, Kaixuan 4th Rd., Qianzhen Dist., Kaohsiung City)  Content: In this course, we will invite timber wholesalers to introduce the classification, texture, and processing methods of timber.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: Wooden Tissue Holder  Time: 18th October, 14：00-17：00  Location: Maker Inn (3F., No. 105, Kaixuan 4th Rd., Qianzhen Dist., Kaohsiung City)  Content: In this course, we will teach students to practice the basic operation of woodworking machinery and assembly to make a tissue holder.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: Leather Carving Bracelet  Time: 21st October, 18：30-21：30  Location: Maker Inn (3F., No. 105, Kaixuan 4th Rd., Qianzhen Dist., Kaohsiung City)  Content: This session will teach students how to add patterns on leather surfaces by using particular tools and make leather bracelets.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: Metal corrosion on Transverse Flute-Metal corrosion  Time: 22nd October, 18：30-21：30  Location: Maker Inn (3F., No. 105, Kaixuan 4th Rd., Qianzhen Dist., Kaohsiung City)  Content: In this course, we will give an introduction to flute acoustics. Later, we will lead students to practice metal corrosion to decorate the musical instrument.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: Metal corrosion on Transverse Flute: Maintenance & Repair  Time: 23rd October, 18：30-21：30  Location: Maker Inn (3F., No. 105, Kaixuan 4th Rd., Qianzhen Dist., Kaohsiung City)  Content: Students are expected to play a flute as producing different scales of musical notes.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: Wooden Gear Little Monsters-Design  Time: 24th October, 9：30~12：30  Location: Maker Inn (3F., No. 105, Kaixuan 4th Rd., Qianzhen Dist., Kaohsiung City)  Content: In this session, we will introduce wooden gear working principles. Later, we will lead students to produce wooden gear by using laser engraving. Finally, students are expected to combine the previous steps to make little monsters.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: Wooden Gear Little Monsters - Manufacture  Time: 24th October, 14：00~17：00  Location: Maker Inn (3F., No. 105, Kaixuan 4th Rd., Qianzhen Dist., Kaohsiung City)  Content: Students are expected to operate the laser engraving machine, assemble, and sanding to make small monsters.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: Gemstone Family-Crystal (Quartz) Group  Time: 24th October, 14：00~17：00  Location: Maker Inn (3F., No. 105, Kaixuan 4th Rd., Qianzhen Dist., Kaohsiung City)  Content: In this session, we will lead student learn the knowledge of common gemstones, crystal, to understand its texture and making bracelets.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: Wooden and Metal Utensils-Making Wooden handles  Time: 25th October, 9：00~12：00  Location: Maker Inn (3F., No. 105, Kaixuan 4th Rd., Qianzhen Dist., Kaohsiung City)  Content: In this session, participants are expected to make customized utensils for themselves by performing sawing, sanding and carving skills.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: Wooden and Metal Utensil-Metal Cutting and Sawing  Time: 25th October, 13：30~16：30  Location: Maker Inn (3F., No. 105, Kaixuan 4th Rd., Qianzhen Dist., Kaohsiung City)  Content: In this session, we will lead students to perform metal sawing to shape the front part of utensils, later combine the metal and timber parts by using rivets with a final surface polishing to finish their works.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: Wooden three-dimensional puzzle-Design  Time: 29th October, 18：00~21：00  Location: Maker Inn (3F., No. 105, Kaixuan 4th Rd., Qianzhen Dist., Kaohsiung City)  Content: Design the style of the puzzle.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: Wooden three-dimensional puzzle-Making  Time: 30th October, 18：00~21：00  Location: Maker Inn (3F., No. 105, Kaixuan 4th Rd., Qianzhen Dist., Kaohsiung City)  Content: In this session, students are expected to use the structure of the puzzle to create a three-dimensional puzzle.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: Lecture given by National Champions of Skills -CNC TURNING  Time: 31st October, 9：00~12：00  Location: Maker Inn (3F., No. 105, Kaixuan 4th Rd., Qianzhen Dist., Kaohsiung City)  Content: In this session, we have honor guests, national champions of skills, to talk about the journey of becoming national candidates of skills and the competition experiences they’ve been through.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: Woodworking Pen-Making  Time: 31st October, 13：30~16：30  Location: Maker Inn (3F., No. 105, Kaixuan 4th Rd., Qianzhen Dist., Kaohsiung City)  Content: In this session, we will have honor guests, national champions of skills, to teach students practicing CNC Turning machine operation to make customized woodwork pens.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: Heat Shrinking Film Vintage Cartoon Key Rings  Time: 18th October, 14：00~17：00  Location: Maker Base Penghu  Content: In this session, the teacher will explain the features of heat shrinking film and heat gun usages. Later, students are expected to draw their favorite cartoon characters on the films and finish adorable key rings.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: Heat Shrinking Film and Glue Dispensing--Sketching  Time: 22nd October, 10：00-12：00  Location: Maker Base Penghu  Content: In this session, students will first design the graphics of their customized artworks and collect materials they required.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: Heat Shrinking Film and Glue Dispensing-Outlining  Time: 22nd October, 14：00-16：00  Location: Maker Base Penghu  Content: In this session, students are expected to outline the shape of their previously finished patterns by raising glue on the edge of the heat shrinking film, and finish their works with heat guns.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: Heat Shrinking Film and Glue Dispensing-Coloring  Time: 23rd October, 10：00-12：00  Location: Maker Base Penghu  Content: In this session, students will match the crystal glue color they need and start coloring. In the process, you can add some embellishments as needed.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: Heat Shrinking Film and Glue Dispensing-Finishing  Time: 23rd October, 14：00-16：00  Location: Maker Base Penghu  Content: In this session, students will complete the glue coloring and spray protective paint after the work is completely dry.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: 3D Printing Software  Time: 25th October, 10：00-12：00  Location: Maker Base Penghu  Content: In this session, we will explain how to design personal favorite shapes by using 3D Printing software, students have to take their own laptop to the class.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |
| Kaohsiung-Pingtung-Penghu-Taitung Regional Branch | Course Name: 3D Printing Mini Car  Time: 25th October, 14：00-17：00  Location: Maker Base Penghu  Content: Students are expected to print out their drawings by performing 3D printing and combine the parts of mini cars.  Object: All Citizens  Link: <https://www.facebook.com/makerinn2018/> |