MAKE, CHANGE or CREATE a product that benefits your community! You’ll learn how to do this at the Innovation Institute (I2), a yearlong internship offered by the New York Hall of Science (NYSCI). The program is open to incoming and current high school students who are interested in science and technology. I2 will inspire you to discuss, explore and problem-solve ideas with your peers.

What Is I2? Innovation Institute (I2) is an unpaid internship program at NYSCI focused on building coding and social entrepreneurship skills. The internship will provide you with the opportunity to use a variety of design tools to create a product or device that will benefit our local community in Corona. I2 interns will explore the neighborhood around NYSCI to identify challenges or issues. You'll then use the Design Thinking process to make possible solutions to these challenges using tools and technology.

Who Can Apply? Middle school and high school students who are currently in grades 8 to 11 are welcome to apply.

What Will I Be Doing in I2? In this program, you will meet and build collaborative relationships with other high school students, NYSCI Maker Space staff, entrepreneurs and designers to create projects and solve problems in our local community. You will learn how to observe the world around you, discover everyday challenges, and design feasible solutions to these problems using Maker Space tools such as Arduino, 3D printers, laser cutter and digital coding software. At the end of the program, you will present your projects at a NYSCI STEM Night event and have the possibility to showcase your project at Maker Faire in September 2020.

Do I Have to Have Prior Experience Coding or Designing With Tools? No experience is necessary! We will learn how to use hardware and software, as well as other hand and digital tools, to solve challenges. We are looking for participants to be engaged, inquisitive and involved in personal and collaborative projects, as well as being open to exploring new and different ideas throughout the entire program.

How Long Is the Internship? This is an intensive and highly competitive program that runs from August 2019 to May 2020 and consists of 50 – 60 program days. Program days include a weeklong summer camp, a series of weekly Wednesday sessions after-school, and the first Saturday of each month. Please see the attached schedule for time commitment and specific dates.

How Do I Submit My Application? Complete the registration form and application, and return by doing one of the following:

- Email: aware@nysci.org
- Fax: 718-699-1341 Attention: Ayesha Ware, Education Services
- Drop Off: New York Hall of Science, 47-01 111th Street, Corona, NY 11368, Attention Ayesha Ware, Education Services (Do not mail your registration form and application.)

The deadline to submit your application is Friday, May 17, 2019.
The Application Process

1. **The Application**: Complete the registration form, and all sections on the application and by the deadline date, **Friday, May 17th, 2019**.

2. **Confirmation Email**: A “receipt of your application” confirmation message will be sent to the email address you provided on your registration form.

3. **Application Review**: Your application will be reviewed by Innovation Institute Leaders.

4. **Interview**: If your application is selected, you will be contacted to interview with Innovation Institute Leaders.

5. **Acceptance**: If accepted into the Innovation Institute, you will be notified by email and regular mail to confirm your participation and of next steps.

If you have questions about your application, please contact Ayesha Ware at 718-595-9120 or email aware@nysci.org

Innovation Institute (I2) 2019 -2020 Schedule

Innovation Institute starts in August and continues throughout the school year. Participating in Innovation Institute requires a 9-month commitment. In order to apply you must be able to commit to the duration of the program on the dates listed below.

**I2 Orientation Meeting**
- Friday, August 16th, 2019 10:00 am – 1:00 pm (lunch will be provided)

**Summer 2019 Design Thinking and Computational Making Bootcamp**
- Monday, August 19th to Friday, August 23rd, 2019 10am-4pm (lunch will be provided each day)

**Maker Faire Weekend: Saturday, September 21st or Sunday, September 22nd**
Each I2 Intern will attend either Saturday or Sunday from 9am-12pm conduct observations during our Maker Faire event.

**I2 Internship School Year Dates**
Program days take place **EVERY Wednesday** and **FIRST Saturday** of each month.
Innovation Institute (I2) 2019-2020

Registration Form / El formulario de inscripción

Contact Information / La información de contacto (Please print clearly./Por favor, imprima claramente.)

Applicant Name / Nombre del Solicitante

Date of Birth / Fecha de Nacimiento

Age / Años

School / Escuela

Grade / Grado

Graduation Date / Fecha de graduación

Name of Parent or Guardian / Nombre del Padre o Tutor

Address / Dirección

Apartment / Apartamento

City / Ciudad

State / Estado

ZIP / Código postal

Home Telephone / Teléfono

Cell Phone / Teléfono móvil

Email / Correo Electrónico

Email Address (Correo Electrónico) Please provide an email address that you use regularly. You will be notified by email about your application and next steps. / Por favor, proporcione una dirección de correo electrónico que utilice regularmente. Se le notificará por correo electrónico acerca de su solicitud y los próximos pasos.
Innovation Institute Calendar Dates 2019 – 2020

<table>
<thead>
<tr>
<th>Month</th>
<th>Wednesdays: 4 pm to 7 pm</th>
<th>First Saturday of each month 10 am to 4 pm</th>
</tr>
</thead>
<tbody>
<tr>
<td>September</td>
<td>9/18, 9/25</td>
<td>Maker Faire Weekend 9/21 or 9/22</td>
</tr>
<tr>
<td>October</td>
<td>10/9, 10/16, 10/23, 10/30</td>
<td>10/5</td>
</tr>
<tr>
<td>November</td>
<td>11/6, 11/13, 11/20</td>
<td>11/2</td>
</tr>
<tr>
<td>December</td>
<td>12/4, 12/11, 12/18</td>
<td>12/7</td>
</tr>
<tr>
<td>January</td>
<td>1/8, 1/15, 1/22, 1/29</td>
<td>N/A</td>
</tr>
<tr>
<td>February</td>
<td>2/5, 2/12, 2/19, 2/26</td>
<td>2/1</td>
</tr>
<tr>
<td>April</td>
<td>4/1, 4/8, 4/15 4/22, 4/29</td>
<td>4/4</td>
</tr>
<tr>
<td>May</td>
<td>5/6, 5/13, 5/20</td>
<td>5/22</td>
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</tbody>
</table>

Please note this schedule is subject to change for Mid-Winter Break and Spring Break.

Calendario del Instituto de Innovación Fechas 2019 – 2020

<table>
<thead>
<tr>
<th>Mes</th>
<th>Miércoles: De 16:00 a 19:00</th>
<th>Primer Sábado de cada mes De 10:00 a 16:00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Septiembre</td>
<td>18/09; 25/09</td>
<td>Fin de semana de Maker Faire 21/09 o 22/09</td>
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<tr>
<td>Octubre</td>
<td>09/10; 16/10; 23/10; 30/10</td>
<td>05/10</td>
</tr>
<tr>
<td>Noviembre</td>
<td>06/11; 13/11; 20/1</td>
<td>02/11</td>
</tr>
<tr>
<td>Diciembre</td>
<td>04/12; 11/12; 18/12</td>
<td>07/12</td>
</tr>
<tr>
<td>Enero</td>
<td>08/01; 15/01; 22/01; 29/01</td>
<td>No disponible</td>
</tr>
<tr>
<td>Febrero</td>
<td>05/02; 12/02; 19/02; 26/02</td>
<td>01/02</td>
</tr>
<tr>
<td>Marzo</td>
<td>04/03; 11/03; 18/03; 25/03</td>
<td>07/03</td>
</tr>
<tr>
<td>Abril</td>
<td>01/04; 08/04; 15/04; 22/04; 29/04</td>
<td>04/04</td>
</tr>
<tr>
<td>Mayo</td>
<td>06/05; 13/05; 20/05</td>
<td>22/05</td>
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</tbody>
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Ten en cuenta que este programa está sujeto a cambios durante el receso de invierno y el receso de primavera.
Innovation Institute 2019-2020 Application

Applicants Name: _____________________________________________________________

During Innovation Institute you and your team will have the opportunity to prototype a new product or process that solves a community process. This is quite a challenge! Please explain why you’re interested in the program and why this challenge appeals to you.

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Innovation Institute 2019-2020 Application

Applicants Name:  

Design Challenge: How might we make the high school experience better?

We would like you to think about your daily experience at school from when you arrive in the morning to when you leave. What do you like about it? What would you change? Think of any challenges you have throughout the day, it could be social, personal, educational or structurally. Once you have your challenge think of a way you could change it? Design a product or process that would make your day better. Let your imaginations run wild and feel free to attach additional pages if needed.

What is your challenge?

How would you solve it?
Innovation Institute 2019-2020 Application

Applicants Name: ____________________________________________________________

Draw your design here: