

# TECHNOLOchicas

I'm Latina, and I love technology!

TECHNOLOchicas.ORG

## Taller TECHNOLOchicas: The Future of Tech Looks Like Me!

### Description:

The event is designed to raise awareness among high school students of opportunities and careers in technology. By introducing them to Latinas from diverse backgrounds students have the opportunity to learn about their experiences in tech and draw inspiration to engage and persist in this field. Participants also learn about opportunities NCWIT offers to support students in their journeys, in particular TECHNOLOchicas and Aspirations in Computing (AiC). The event lasts approximately 90 minutes.

### Goals:

- ★ Participants will have the opportunity to meet Latinas from diverse backgrounds and hear about their experiences in tech.
- ★ Participants will feel inspired to engage/persist in future computing opportunities, major in a related area, or pursue a career in tech.
- ★ Participants will learn about opportunities NCWIT has to support students in their journeys in tech, specifically TECHNOLOchicas and Aspirations in Computing (AiC).
- ★ Participants will be invited to join the Aspirations in Computing mailing list.

### Logistics:

- **Audience:** High School Students
- **Registration Page:** Provided by TECHNOLOchicas
- **Date & Time:** Decided by TECHNOLOchicas and partner(s)
- **Number of Participants:** Decided by TECHNOLOchicas and partner(s)
- **Swag, Snacks, and Materials:** Provided by TECHNOLOchicas and/or partner
- **Participant Recruitment:** by TECHNOLOchicas and/or partner
- **Agenda:**
  - ◆ **Welcome & Overview (5 minutes).**
  - ◆ **Small Group Icebreakers (20 minutes)**
  - ◆ **Guest Speaker(s) (30 minutes)**
  - ◆ **Intro to TECHNOLOchicas and Aspirations in Computing (10 minutes)**
  - ◆ **Survey, Closing Remarks & Group Photo (15 minutes)**

# TECHNOLOchicas

I'm Latina, and I love technology!

TECHNOLOchicas.ORG

## I. Event Specifics:

- **Date & Time:** Tuesday, September 27, 2022; 4 - 6 pm CT
- **Location:** Alief Career Center, 12160 Richmond Ave, Houston, TX, 77082
- **Registration:** <https://bit.ly/tallerTECHNOLOchicas>
- **Snacks:** provided by AT&T
- **Swag:** provided by TECHNOLOchicas
- **Ice breaker Materials:** provided by TECHNOLOchicas
- **Speakers:**
  - Zaida Hernandez (TECHNOLOchica, NASA),
  - Alma Tapia (TECHNOLOchica, NASA)
  - Marie Calvillo (Lead Product Management & Development, AT&T)
  - Esmeralda Frutiz-Rizo (Fiber Sales Expert, AT&T)
  - Anna Garcia (moderator, AT&T)
- **Additional Volunteers:** Leodeli Treviño (AT&T)
- **Students:** 25 (expected)
  - break into 5 small groups of up to 5 students for ice breakers
- **Teachers:** 4 (expected)
- **Agenda:**
  - Welcome & Overview (5 minutes) - Anna Garcia
  - Small Group Icebreakers (20 minutes) - Zaida Hernandez
  - Guest Speaker(s) (30 minutes) - Zaida Hernandez, Alma Tapia, Marie Calvillo, Esmeralda Frutiz-Rizo, Anna Garcia (Moderator)
  - Intro to TECHNOLOchicas and AiC (10 minutes) - Zaida Hernandez and/or AiC community member
  - Survey, Closing Remarks & Group Photo (15 minutes) - Zaida Hernandez & Anna Garcia
- **Survey:**
  - Preview here: <https://www.surveymonkey.com/r/TallerTECHNOLOchicas>. This is the same survey we use in all of our events.
  - Students will receive an email towards the end of the event with a link to the survey. They can choose between filling out the survey on their phones (if this is possible for them) or fill out a paper survey.

# TECHNOLOchicas

I'm Latina, and I love technology!

TECHNOLOchicas.ORG

## II. Small Group Icebreaker Activity: What is coding like? Like building a paper plane!

- **Materials:**
  - sheets of 8.5"x11"
  - paper and pens/pencils
- **Instructions:**
  1. Each student writes down instructions they know to make a paper plane.
  2. Students trade instructions with each other so that everybody ends up with someone else's instructions.
  3. Students build a paper plane following the instructions they received.
  4. After everyone has finished, as a group, the students compare how the planes look.
  5. If you deem appropriate, you may want to let the students compare the planes on how they fly as well.
- **Flash Chat:**
  - If students have not written code before, you may want to start the conversation with something like, "Congratulations! You just wrote your first computer program."
  - If students have written code before, you may want to start the conversation by asking them how this activity is similar to writing a computer program.
  - The main idea of the conversation is for students to understand that a coding task can be solved in several different ways; there isn't a right or wrong answer; code can be erased, changed, and re-written as needed (something super fun about writing code and done by professional coders often; almost no one writes perfect code on the first try!).
  - Suggested questions to start / keep going the conversation (use as few or as many as you want):
    - Were the instructions you used same / different from the ones you wrote? Longer? Shorter? More or less detailed?
    - Was the order of steps similar to the one you followed in the ones you wrote? Were there any steps you think could be left out? Any

# TECHNOLOchicas

I'm Latina, and I love technology!

TECHNOLOchicas.ORG

you would add? Were there any steps that absolutely needed to happen at the beginning? How about at the end?

- Were there any steps that needed to be repeated? (if you want to talk about the concept of loops)
- Were there any steps that required you to do or not do something in a previous step? (if you want to talk about the concept of conditionals)
- Do planes built with different instructions look different? Do they fly differently?
- Now that you have tried someone else's instructions, would you make any changes to your instructions?

### III. What is TECHNOLOchicas?

- TECHNOLOchicas is a media initiative created to raise awareness among young Latinas and their families about opportunities and careers in technology.
- It presents the stories of Latinas from diverse backgrounds, who are in technology fields, and recognize the power of innovation to change the world.
- The stories it presents allow girls to see and relate to real-life role models and find inspiration to go into technology fields.

### IV. What is Aspirations in Computing (AiC)?

- The AiC Community is a phenomenal network for technical women who receive benefits such as private invitations to virtual and in-person meet-ups, visibility for technical achievements, opportunities to develop leadership and entrepreneurial skills, and access to hands-on activities for exploring computer science.
- When you join AiC, you have the opportunity to exchange ideas and advice with technical women who have many different interests, strengths, and connections.
- By joining AiC, you also gain exclusive access to computing hackathons, internships, scholarships, jobs, awards, and more.
- To join, apply for the NCWIT AiC award. Applications are now open, until October 20. You may find more info and apply here: [aspirations.org](https://aspirations.org)