

# Kelly Tieu

*STEM Impressionist Program Participant  
Program Facilitator ~ Angela DeHart*

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## STEM Impressionist EXPERIENCE (<https://goo.gl/WcqSS8>, <https://goo.gl/9wbq9d>, <https://goo.gl/EYkFLb>)

### Coding

- Java ([http://myhsts.org/summer-coding-bootcamp.php#register\\_now](http://myhsts.org/summer-coding-bootcamp.php#register_now))
  - Beginner to advance Java
  - Beginner to advance Java Android
  - Beginner to advance Java Spring
- Adafruit Circuit Playground Express (<https://learn.adafruit.com/introducing-circuit-playground/overview>)
- Code.org (<https://code.org/>)
- Computer Programming on Khan Academy (<https://www.khanacademy.org/>)
  - Intro to JavaScript: Drawing & Animation (Intro to programming, Drawing basics, Coloring, Variables, Animation basics, Interactive programs, Resizing with variables, Text and strings) (<https://www.khanacademy.org/computing/computer-programming/programming>)
- VEX IQ (<https://www.vexrobotics.com/vexiq/resources/programming>)

### Robotics

- EV3
  - 2018 Assistant Robotic Works Instructor for Intermediates (<https://shop.robotworksacademy.net/products/cardinal-forest-intermediate-robotics-program>)
- VEX
  - 2018 Referee for VEX IQ Regional Tournament hosted at McLean High School main competition fields (<https://www.roboticseducation.org/competition-teams/vex-robotics-competition/>)
  - 2017 Glasgow Middle School's 1<sup>st</sup> VEX Robotics Summer Camp (<https://www.fcps.edu/news/glasgow-ms-builds-vex-robotics-support-northrop-grumman>)
  - 2017 VEX "Judge" Camp (<http://viewpure.com/improving>)

### Presentations/Speaker/Judge

- KID Museum Invent the Future Challenge Summit Judge (<https://kid-museum.org/programs/invent-the-future/>)
- 2019 STEM into Spring hosted by the STEM Impressionists at Belvedere ES (<https://www.slideshare.net/AngelaDeHart/stem-into-spring>)
- 2019 Strengthening Families Youth Speaker Panel
- 2018 George Mason University's Inaugural Global STEM Scholars Program (GSSP)
- 2018 Association for Career and Technical Education (ACTE) AT&T Forum (<https://www.acteonline.org/district-of-columbia-association-for-career-and-technical-education/>) (<https://policyforum.att.com/att-forum/>)
- 2018 George Mason University's Females Of Color Underrepresented in STEM (FOCUS) Camp (<https://www.fcps.edu/news/glasgow-after-school-stem-club-partners-gmu-camp>)
- 2018 Jefferson Overseas Schools Technology Institute (JOSTI) (<https://sites.google.com/site/josticonf/home>)

### STEM Seminars

- 2019 KID Museum Girl Power Day (<https://kid-museum.org/event/girl-power-day/>)
- 2019 3<sup>rd</sup> Annual National Engineers Week Youth Conference (Marshall Academy and George Mason University's Volgenau School of Engineering) (<https://ist.gmu.edu/EngineeringConference/#>)
- 2018 Girls Computing League Artificial 2<sup>nd</sup> Annual Intelligence Summit at the Smithsonian Institution's Steven F. Udvar-Hazy National Air and Space Museum (<http://aisummit.girlscomputingleague.org/>)
- Tomorrow's Women in Science and Technology (TWIST) Techstravaganza (<http://tjtechstrav.org/>)
- 2018 NOVA Systemic on campus STEM Day (<https://www.novastemday.com/>)
- 2018 Best of Reston Awards: Community Service/Marybeth Hainline ([https://www.cornerstonesva.org/events\\_list/best-of-reston/](https://www.cornerstonesva.org/events_list/best-of-reston/))

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- 2018 USA Science & Engineering Festival EXPO Weekend (<https://usasciencefestival.org/attend/2018-festival-expo/about-festival-expo/>)
  - 2018 Neuro Inspire Impulse Neurosciences, Aerospace, & Astrophysics Event (<https://goo.gl/uEoBKB>)
  - 2017 Girls Computing League 1<sup>st</sup> Annual Artificial Intelligence Summit (<http://aisummit.girlscomputingleague.org/>) (<https://www.fcps.edu/news/tjhsst-girls-computing-league-sponsors-artificial-intelligence-summit>)
  - 2017 Sasha Alton (*hosted by Glasgow Middle school*) (<https://www.slideshare.net/AngelaDeHart/stem-impressionists>)
  - 2017 Mason Experimental Geometry Lab Snowflake Symmetry (<http://meqlab.wikidot.com/170301photos>)
  - 2017 D.C. X-STEM Symposium (<https://www.stemconnector.com/usa-science-engineering-festival-announces-2017-x-stem-symposium-speakers/>)

## STEM Competitions

- 2018 Hack BI II (<http://hackbi.org/>) (<https://www.bishopireton.org/page/news-detail?pk=1019452>)
- 2018 Aerospace Corporation's 41<sup>st</sup> Annual Robert H. Herndon Memorial Science Competition (<http://www.aerospace.org/education/stem-outreach/herndon-science-competition/>)
- 2017 Science Olympiad State Competition hosted at UVA (<https://virginiaso.org/>)
- 2017 Science Olympiad Regional Competition hosted at Fairfax High School (<https://virginiaso.org/>)

## Volunteer STEM Activities

- 2018 Technovation (<https://technovationchallenge.org/events/>)
- 2017 Open Campus Instructor (<https://youtu.be/CmkvkrOS704>)
- 2016 Children's Science Museum Design Invitation (<https://goo.gl/YdtHFZ>)

## Other Clubs (8<sup>th</sup> Grade)

- Girls Engineering Mathematics and Science (GEMS) (<http://www.gemsclub.org/>)
- X-STEM / Jason Project (<https://www.jason.org/district-model>)
- Science Olympiad (<https://www.soinc.org/info/about-science-olympiad>)
- Math League (<http://www.mathleague.com/index.php/about-the-math-league>)

## EDUCATION

*Annandale High School, 2021, FCPS  
Glasgow Middle School, 2017, FCPS*

## REFERENCES

*-Angela DeHart, STEM Impressionist Program Facilitator*