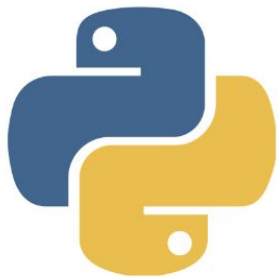


Python Bytes

>>> Parent Info Night

2026



Tyee PTSA Python Bytes Club

Beginners welcome!
Exploring ideas in
mathematics and in
science using code

Agenda

>>> Introduction and Goals

>>> Coaches & Volunteers

>>> Coding in Python

>>> Club Plan

>>> Registration Information

1.1 / Introduction

Explore ideas with **code**.

3 Classrooms

Beginner -> **Advanced**

Challenges and classes
tailored to **your experience**

Experienced Coaches

- > Expert adults
- > High school students
- > Club chair
- > Parent volunteers

Overview • Last Year

- > **50** sign-ups
- > **32** students @ end of
year pizza party!

```
... print("Welcome to Python Bytes!")
```

1.2 / Goals

- >>> Create a Supportive learning environment
- >>> Explore STEAM-based ideas in computer programming
- >>> Learn Python fundamentals
- >>> Strengthen Communication skills
- >>> Experiment and collaborate with fellow students

2.1 / The team includes ...

> Lead Coach and Curriculum Director

Rob Fatland is a Research Computing Director at the University of Washington. He holds a PhD in Geophysics and has worked at NASA-JPL and Microsoft Research. He has contributed to K12 STEM education outreach for 30 years.

> Club Chair

Linda Maria is a parent volunteer in charge of club administration.

Contact pythonclub@tyeepsa.org

2.2 / High School Coaches

> **Nora George** (Newport High School, 10th Grade)

Nora has been coding in Python since middle school, is the secretary of her school's Programming Club, and was a coach for Python Bytes last year. She was selected for Stanford's AI4ALL summer program, where she focused on medical applications of artificial intelligence. She is also the tech lead for a medical AI app that was named a quarterfinalist in Technovation Girls.

> **Jeffrey Li** (Newport High School, 12th Grade)

Jeffrey is a longtime Python Bytes coach and former participant. He has also competed at the international level in FLL Robotics, powering autonomous robotics based in Python. His broader STEM background includes including placing among the top 100 students nationally in the Chemistry Olympiad as well as having conducted research in gene analysis. Jeffrey has extensive experience working in mentorship positions and enjoys playing soccer.

> **Matthew Hou** (Interlake High School, 12th Grade)

Matthew has been coding since middle school, inspired by his early participation in Python Bytes. He is proficient in Python, Javascript, Java, front-end and back-end, and C++. So far, he has placed first in multiple hackathons and created many projects, spanning chatting websites, discord bots, AI integrated extensions, neural networks, and more. He has conducted and presented research in applications of computer science and artificial intelligence in biology. He is currently interning at two UW labs, working on coding with engineering problems and artificial intelligence with particle physics. Outside of school, Matthew loves to play violin and soccer as well as word games.

> **Sameer Taticherla** (Interlake High School, 11th Grade)

Sameer has written and passed tests for Python and Java and is currently studying to be a Cisco Certified Network Associate (CCNA). He has written a research paper on recommendation systems of social media platforms, which is in currently in the publication process. He has over 20 logged hours of fixing laptops, and going to a capture the flag hacking competition in November. Lastly, he is developing a mobile app which specializes in scam detection and prevention. In his free time, Sameer is an avid Yu-Gi-Oh! player and loves to swim.

3.1 / Why Python?

>>> Python is **commonly used** in engineering and science.

>>> Python has **simple, intuitive** syntax.

```
if 1 + 2 == 3: print("It's true!")
```

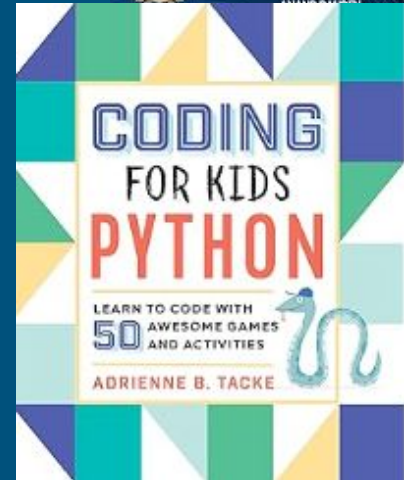
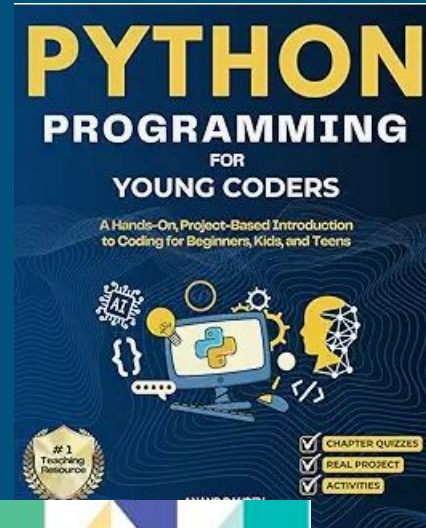
>>> Python community builds and shares **free libraries**

- ... **turtle** for convenient drawing tools
- ... **requests** to talk to the Internet
- ... **PyGame** to create graphical games
- ... **music21** to create music

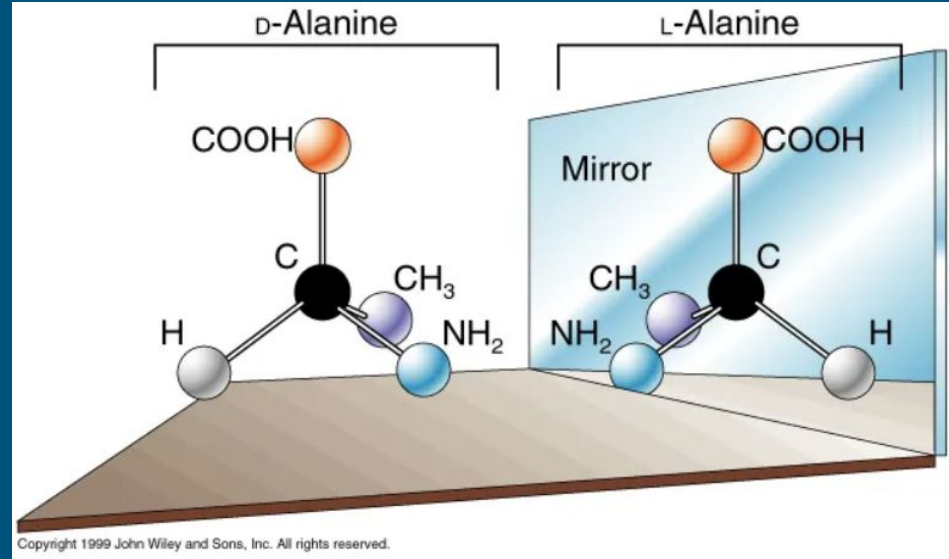
>>> For an efficient working environment, **setup instructions** will be distributed.

3.2 / Strategies for fun and progress

- >>> Get your student set up with their own Python-capable laptop
- >>> Go through the first 'No Big Deal Project' with your student
- >>> Try out an introductory Python book for kids
- >>> Make time to code each week (away from club)
- >>> Explore YouTube for inspiring ideas
- >>> Parents volunteer to sit in with us:
[SignUpGenius](#)



4.2 / The Extraordinary World



Research Can Be Inspiring

>>> Small proteins

>>> Quality of medical care

>>> Glacier response to climate

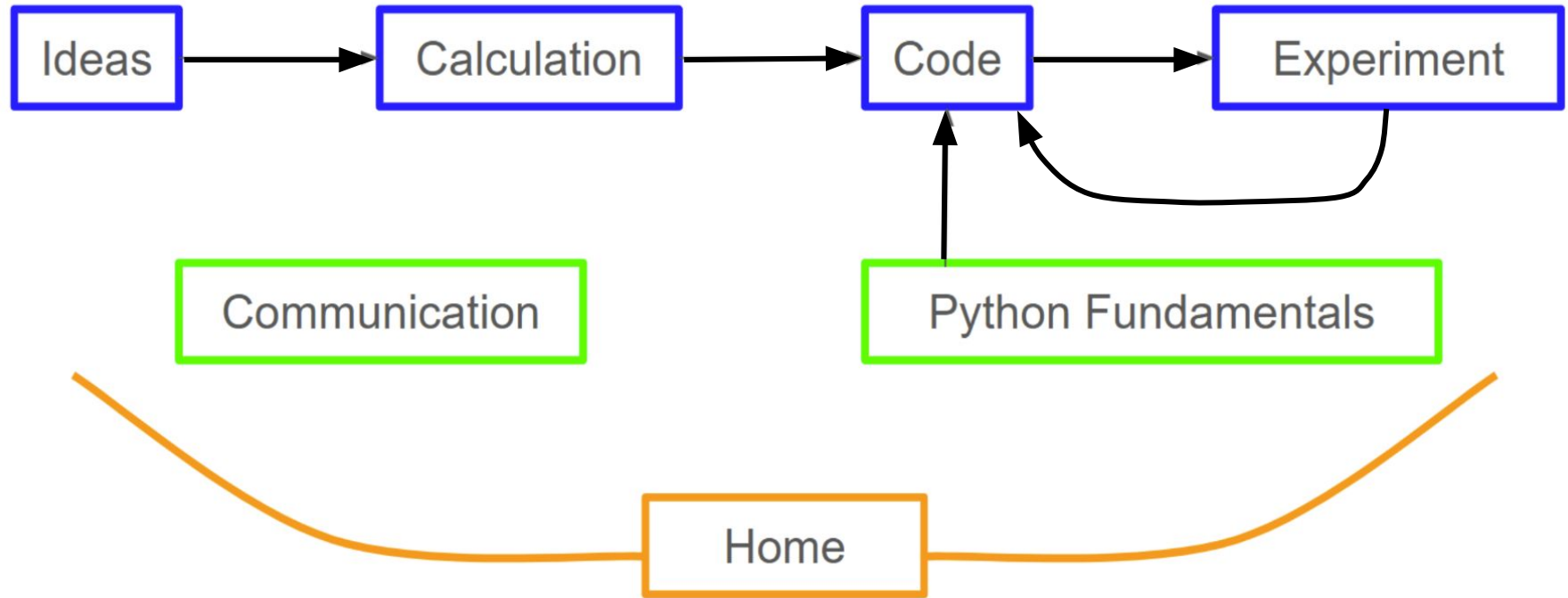
>>> 14th century Japanese poetry

Let's do an activity

- Ms. Halfway and the Three Variables
- Extension to the Chaos Game



4.1 / Python Bytes “Driven By Ideas” Framework



Learning Environment Key Ideas

- Fun not pressure; and bring your thinking cap
- We know we don't know what you don't know!
 - Questions and getting Help are the central transaction
- Kinesthetics
- Python syntax

4.3 / Lid Down Rule

>>> “The first rule of computer programming:
Put away your computer.”

>>> Python Bytes is OUTSIDE of the world of tasks and distractions.
Computer screens distract.

>>> At club meetings the computer lid is closed until we are ready to
write code.

4.4.1 / Other Rules

> PythonBytes Rewards

We will set up a rewards system where students will be able to redeem for prizes, for example for mastering the essentials of Python coding syntax; or for finishing and demonstrating a project. Consistent attendance, participation in activities, asking questions, working on Python away from club meetings and bringing enthusiasm and positivity are all behaviors we want encourage, value and reward!

> Classroom Use Rules

Students abide by school building rules. No food/drinks, only water. Clean up before leaving. Do not touch or take things in classrooms. Place chairs back on tables.

4.4.2 / Departure Rule

> **Departure from the club, alas**

Occasionally we have students who are disruptive, operating from their own agenda. We have neither staff nor training to fix these issues. When they come up we email the student and their parents to ask them to fix. If there is no solution we will ask the student to leave: discontinue participation in Python Bytes.

With so little time we can't support behavior that negatively impacts other students.

4.5.1 / Parent Volunteering

>>> Parental presence is *required* and super *helpful*

- ... Just your **presence** helps maintain a calm, focused atmosphere
- ... Help us **keep the rooms clean** and returned to pristine when we are done for the night
- ... Allowed: Bring your phone (hot spot) and/or computer; **answer email or other tasks**
- ... Optional: **Participate** in the club! **Talk to students, help them stay on track**

4.5.2 / Parent Volunteering

- >>> New: Bellevue PTSA Council requires 2 parent volunteers per classroom
 - ... 3 classrooms means 6 adults (not HS students) total
 - ... Without enough signed-up volunteers, club meetings will be cancelled !!
 - ... Follow Bellevue School District guidelines for volunteers
 - ... Submit background check status to club chair

```
... print("Thank you so much volunteers!")
```

5.1 / Registration

>>> Limited seats: 50

>>> Registration fee : **\$50 non-refundable**
Scholarships available

>>> Tyee PTSA paid membership required prior to club registration
Set up a new account or renew annually
Consider PTSA Tyee Bucks fundraising to support PTSA programs

>>> Python Bytes club information
<https://tyeeptsa.org/Page/PROGRAM%20PAGES/Python%20Bytes%20Club>

>>> Contact pythonclub@tyeeptsa.org for additional information



5.2 / Important Dates

>>> Registration opens: **TODAY, Monday 10/5 at 9:00PM**

>>> Registration closes: **Tuesday, 10/13 11:59PM,**

or first 50 applicants

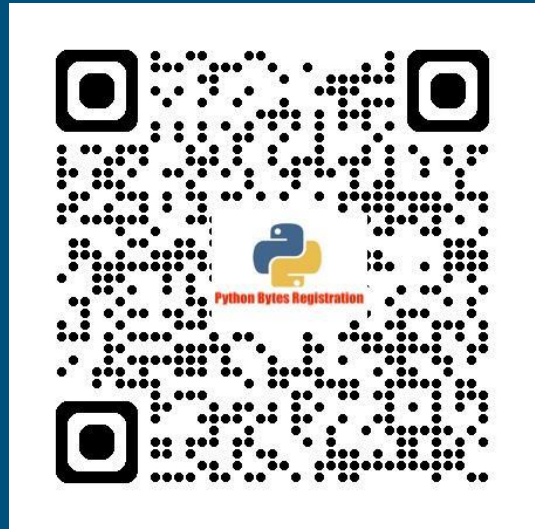
>>> Registration Link: <https://tyepts.org/Package/PythonBytesReg2026c>

>>> Regular club meetings: **Wednesdays starting 10/14 6:30-8PM**

... Follow BSD school calendar

... Check your emails prior each meeting, in case of last-minute cancellation

... Make sure your student enter school building when dropping-off



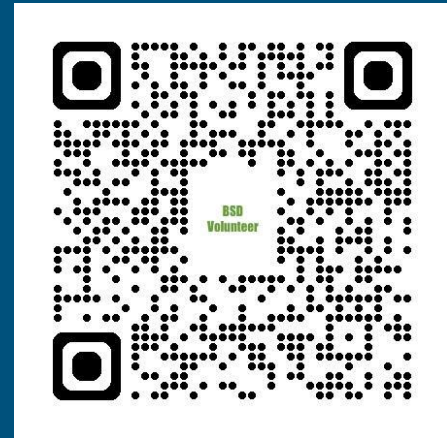
5.3 / Requirements & Logistics

> Parents

- ... Type PTSA **membership** and fee
- ... Python Bytes club **registration** and fee
- ... **L3 background check** <https://www.bsd405.org/community/volunteer>
- ... Volunteer in classrooms **at least 4 times**. **SignUpGenius** available soon.

> Students

- ... Bring a charged Python-ready dedicated laptop with **VS Code** and Python.
Using a free online Python environment is a (less reliable) backup plan.
- ... Sign the code of conduct and be aware of the **2-strike rule**
- ... Year-long commitment every **Wednesday in-person 6:30-8PM**



FAQ

Q: Is there homework?

A: Yes, we provide take-home sheets: One page, simple instructions. Python pays for itself: It is fine to learn but your student should plan for 1 to 2 hours of coding per week outside of club. Homework is: No grades, no stress, just fun and positive feedback.

Q: Is it ok to use AI?

A: This opens a door to a longer conversation. In brief, it is in your student's interest to nurture on his/her own real intelligence.

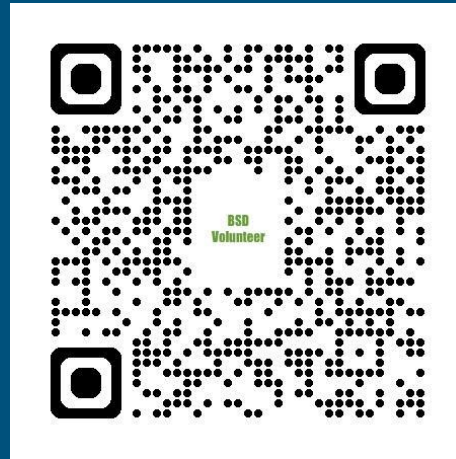
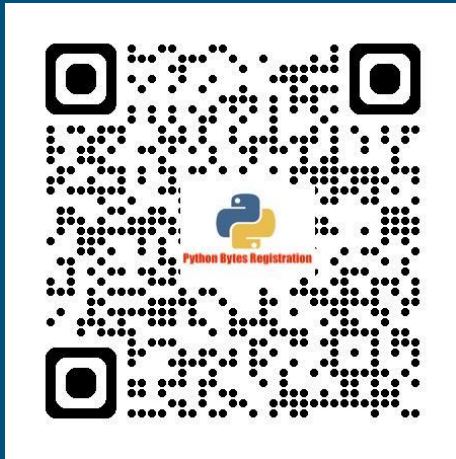
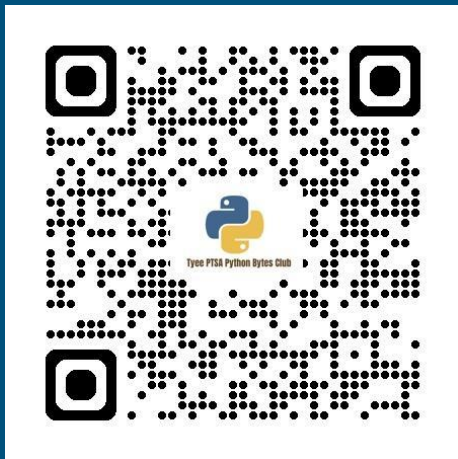
Q: My student is very social. Can he/she work with his/her buddies?

A: Yes, provided they can work constructively.

Worth repeating...

The only way to become proficient at coding is to spend time coding on your own

Questions?



>>> Email Club Chair at pythonclub@tyeptsa.org

Extra slides (not for presentation)

2.2.1 / High School Coaches

> **Nora George** (Newport High School, 10th Grade)

Nora has been coding in Python since middle school, is the secretary of her school's Programming Club, and was a coach for Python Bytes last year. She was selected for Stanford's AI4ALL summer program, where she focused on medical applications of artificial intelligence. She is also the tech lead for a medical AI app that was named a quarterfinalist in Technovation Girls.

> **Matthew Hou** (Interlake High School, 12th Grade)

Matthew has been coding since middle school, inspired by his early participation in Python Bytes. He is proficient in Python, Javascript, Java, front-end and back-end, and C++. So far, he has placed first in multiple hackathons and created many projects, spanning chatting websites, discord bots, AI integrated extensions, neural networks, and more. He has conducted and presented research in applications of computer science and artificial intelligence in biology. He is currently interning at two UW labs, working on coding with engineering problems and artificial intelligence with particle physics. Outside of school, Matthew loves to play violin and soccer as well as word games.

2.2.2 / High School Coaches

> **Jeffrey Li** (Newport High School, 12th Grade)

Jeffery has Python coding experience since middle school. Jeffery also attended Tyee Python Bytes when he was in middle school and competed in FLL.

> **Dhruv Saini** (Bellevue High School, 12th Grade)

Dhruv has done internships at two companies: Partify AI and Bond Intelligence, which both were based on Python coding. Dhruv has also won four hackathons, of which two were fully Python-based and two involved coding a python server, with an HTML/CSS/JS frontend. Lastly, Dhruv is the Head of Technology at a nonprofit called A Sustainable Future with 20 tech team members, with the codebase being about 75% Python.

2.2.3 / High School Coaches

> Sameer Taticherla (Interlake High School, 11th Grade)

Sameer has written and passed tests for Python and Java and is currently studying to be a Cisco Certified Network Associate (CCNA). He has written a research paper on recommendation systems of social media platforms, which is currently in the publication process. He has over 20 logged hours of fixing laptops, and going to a capture the flag hacking competition in November. Lastly, he is developing a mobile app which specializes in scam detection and prevention. In his free time, Sameer is an avid Yu-Gi-Oh! player and loves to swim.