

hour of code

2 HOUR FREE & ONLINE WORKSHOPS FOR HIGH SCHOOL STUDENTS (GRADES 8-12) TO LEARN CODING & DIGITAL SKILLS

SATURDAY, FEB 14	10 AM - 12PM	INTRO TO PYTHON
SATURDAY, MARCH 7	10 AM - 12PM	TURTLE GRAPHICS*
WEDNESDAY, MARCH 18	3 PM - 5 PM	INTRO TO JAVA
WEDNESDAY, MARCH 25	3 PM - 5 PM	INTRO TO MACHINE LEARNING*
SATURDAY, MARCH 28	10 AM - 12PM	AI & PHISHING DETECTION*
SATURDAY, APRIL 11	10 AM - 12PM	INTRO TO GIT
SATURDAY, APRIL 18	10 AM - 12PM	MOBILE APP DEV
SATURDAY, APRIL 25	10 AM - 12PM	INTRO TO GAME DEV*

For more information or to register, visit

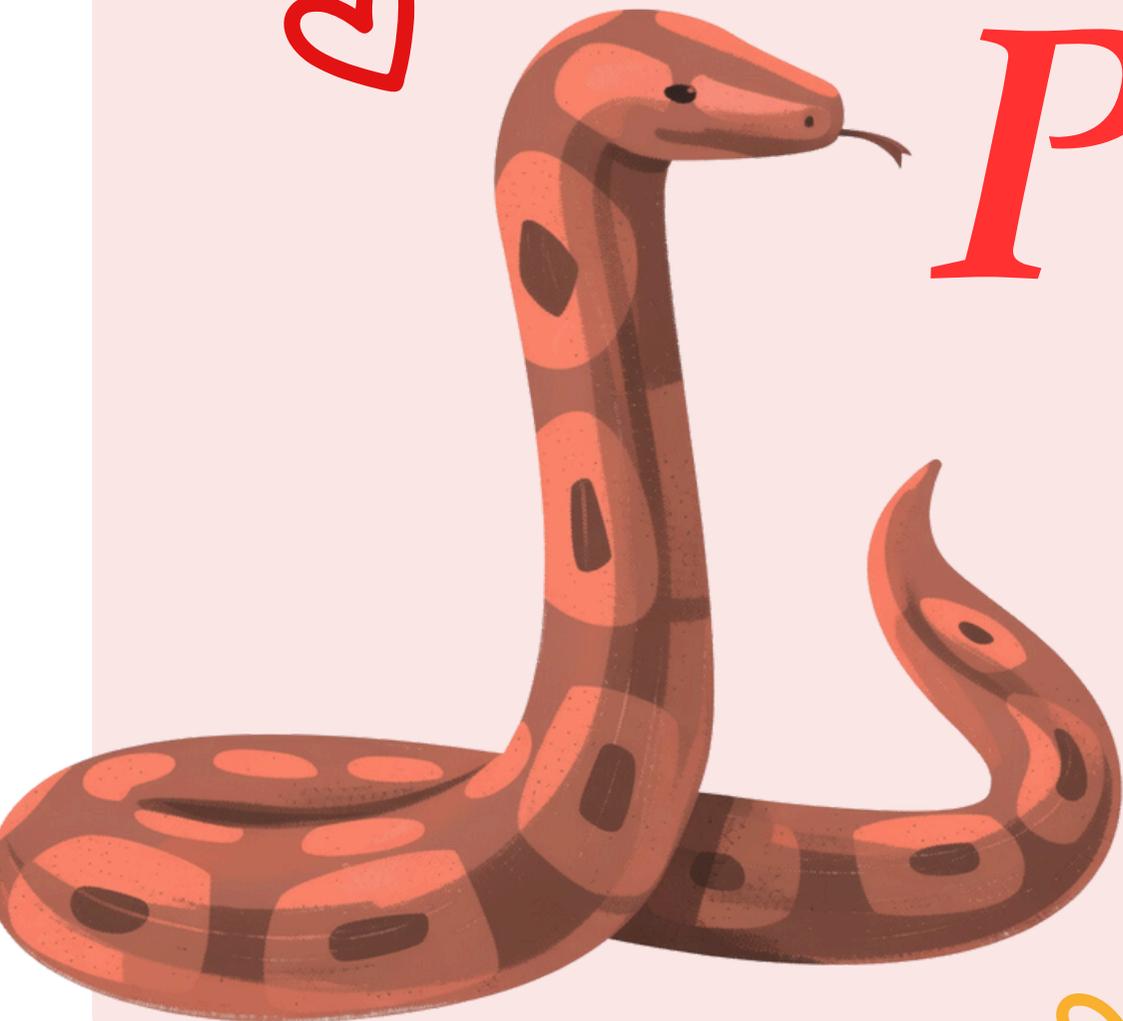
sciencealive.ca/hour-of-code



Students must have experience with Python before attending a workshop marked by an asterisk (*)

Join on us on Feb 14 to gain experience!

We would **love** if you joined us at our



Intro to Python

workshop on
**Saturday,
Feb 14**



Learn the basics of Python programming and best practices in programming.

Join us, whether you have no experience or want a refresher.

PS. Python experience is a prerequisite for other Hour++ of Code workshops – this session is the perfect place to start!

**10 am
–
12 pm**

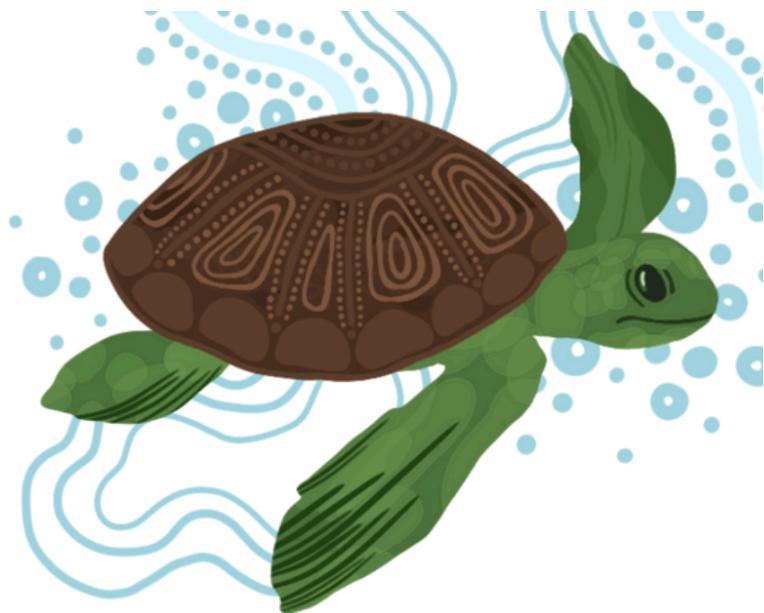
**Gr. 8
– 12**

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HOUR++ OF CODE

Get out of your **shell** and join us for our

Turtle Graphics



workshop on

Saturday,
March 7

10 am –
12 pm

Gr. 8 – 12

Learn coding concepts by creating pictures and shapes using the Python turtle library. This is a fun and interactive way to learn more about programming!

PS. Python experience is a prerequisite for this workshop.

HOUR++ OF CODE

We'll be **brewing up**
something special at our

Intro to Java

workshop on

**Wednesday,
March 18**

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curiosity · creativity · confidence

3 PM – 5 PM

Gr. 8 – 12



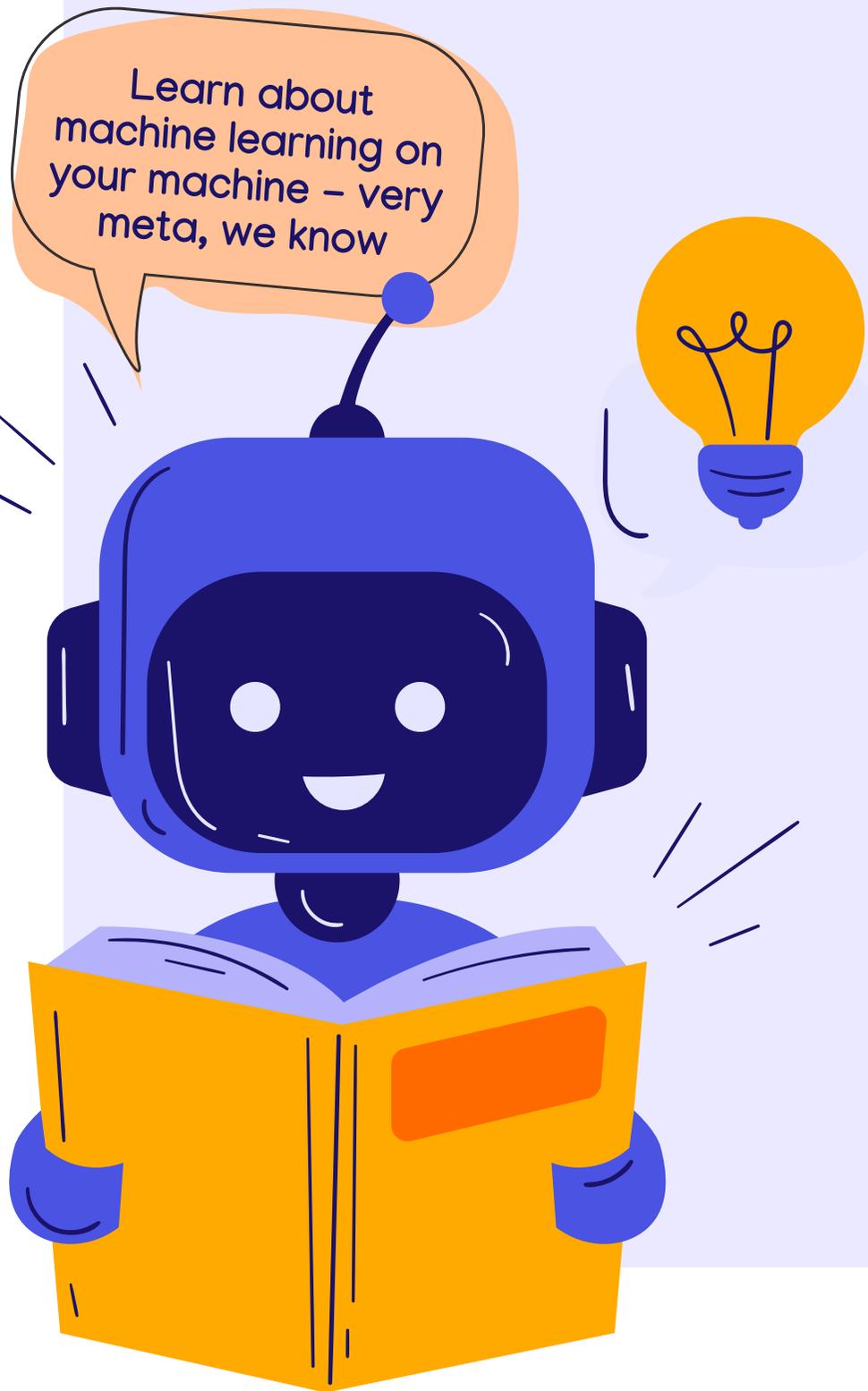
Learn the basics of the Java programming language
and best practices in programming!

We recommend that students have some exposure to text-based
programming before joining this workshop.

Intro to Machine Learning

workshop on

**Wednesday,
Mar 25**



Join us to learn how to create machine learning programs in Python!

PS. Python experience is a prerequisite for this workshop.

**3 PM
–
5 PM**

**Gr. 8
– 12**

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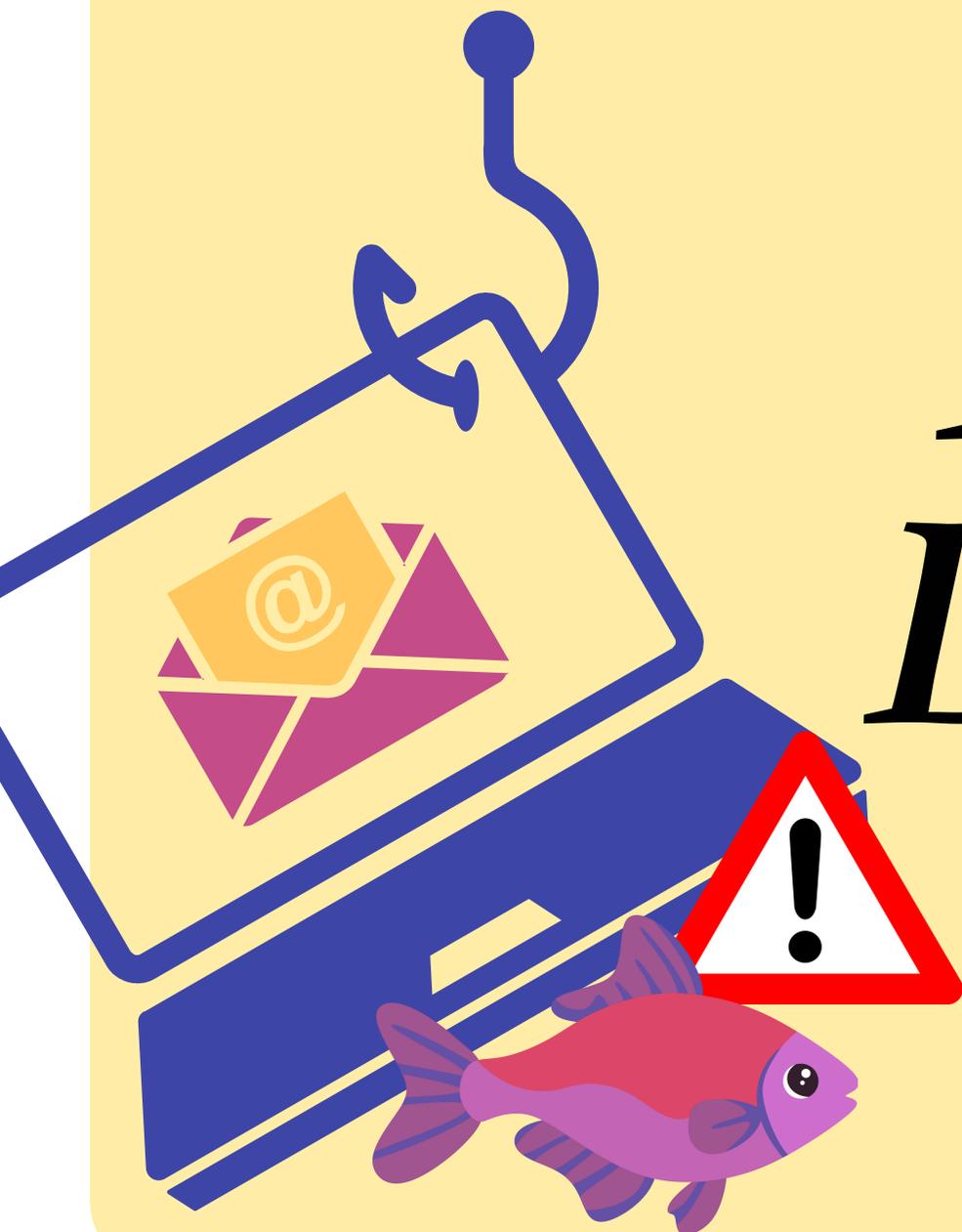
HOUR++ OF CODE

We want to to **reel** you in for our

AI & Phishing Detection

workshop on

Saturday,
March 28



10 am – 12 pm

Gr. 8 – 12

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Learn about artificial intelligence (AI) models and how they can be trained to combat digital attacks, such as phishing.

PS. Python experience is a prerequisite for this workshop.

HOUR++ OF CODE

Git over here and join us for our

Intro to Git

workshop on

Saturday, April 11

Learn how programmers track and manage changes to software code using Git.

PS. You can learn how to use Git as a coding portfolio or digital resume!



Gr. 8 – 12

10 am – 12 pm

HOUR++ OF CODE

We'd be so app-y if you
joined our

Mobile App Dev

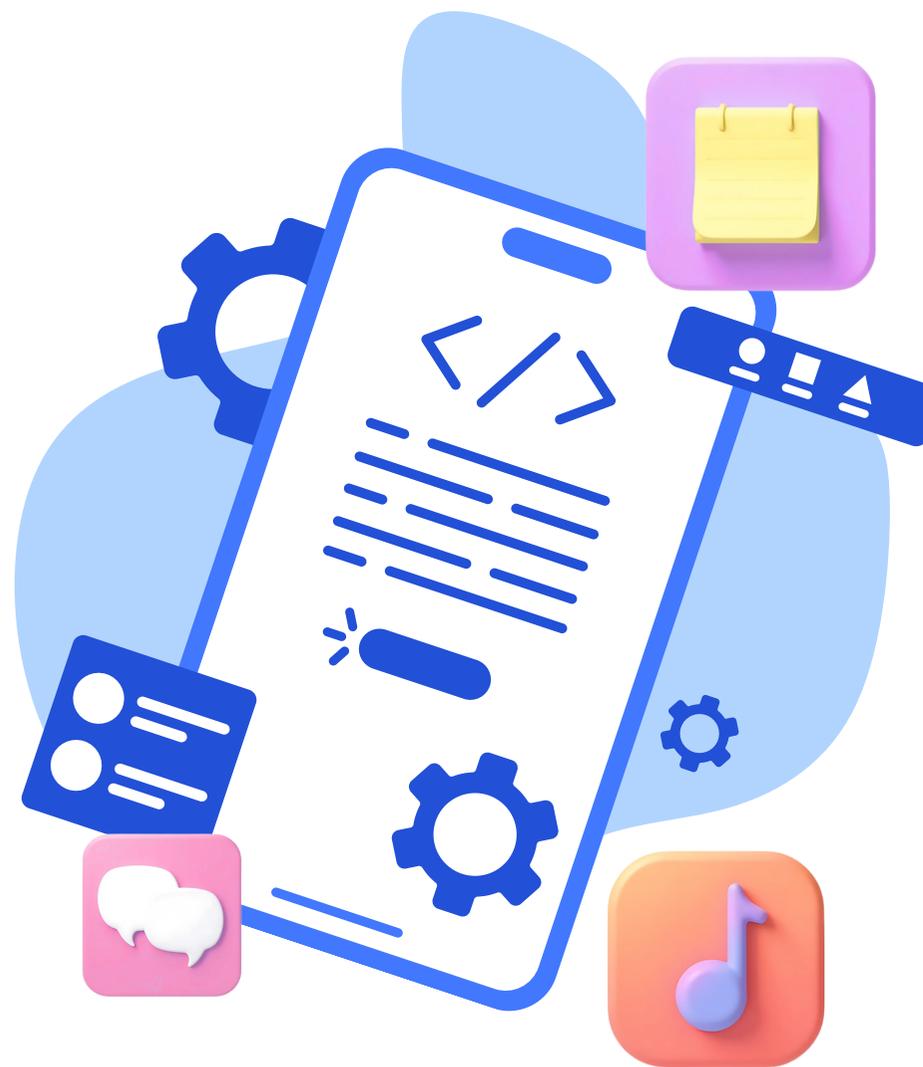
workshop on

Saturday,
April 18

SCIENCE  ALIVE
curiosity · creativity · confidence

10 am – 12 pm

Gr. 8 – 12



Learn how to plan, prototype, and code a mobile app
using Thinkable.

This workshop is beginner-friendly!

HOUR++ OF CODE

Welcome, Player 1, to our

Intro to Game Dev

workshop on

Saturday,
April 25



10 am – 12 pm

Gr. 8 – 12

SCIENCE ALIVE
curiosity · creativity · confidence

Learn about about the elements of game design and how to code a text-based game using Python.

PS. Python experience is a prerequisite for this workshop.