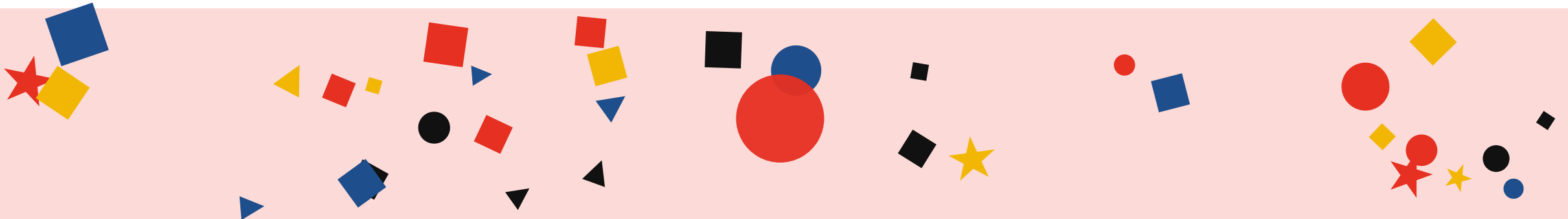


COMPUTER SCIENCE • CLASS 9

INTRODUCTION TO PYTHON

Your first programs: print, variables and input

Teacher Name • 9 • 40 minutes



LESSON PLAN

01

Warm-up

02

Learn

03

Explore

04

Practise

LEARNING OBJECTIVES

- Write and run a Python program
- Store values in variables
- Take input from the user
- Do simple calculations

YOU ALREADY KNOW

**How to open and
save files.**

WHAT IS A PROGRAM?



Diagram / picture

A program is a list of instructions a computer follows.

Python reads lines from top to bottom. `print()` shows output, variables remember values and `input()` asks the user for information.

KEY TERMS

1

Variable

A named box that stores a value.

2

String

Text inside quotes, e.g.
"Hello".

3

Integer

A whole number, e.g. 42.

YOUR FIRST PROGRAM

1 Open

IDLE or an online editor

2 Ask

```
name = input("Name? ")
```

3 Print

```
print("Hello", name)
```

4 Run

Press F5 and test

DID YOU KNOW?

1991

Python first released

#1

language for beginners

Not a snake

named after a comedy show

SCRATCH VS PYTHON

Scratch

- Drag-and-drop blocks
- Great for starting
- Visual output

vs

Python

- Typed code
- Used by professionals
- Runs everywhere

CHECK YOUR UNDERSTANDING

- What does `print()` do?
- Store your age in a variable
- Why is text put in quotes?
- What is $3 + 4 * 2$?

ACTIVITY TIME

1

Greeting bot

Ask name and age, print a message.

2

Calculator

Add two numbers from input.

3

Bug hunt

Fix five broken programs.

HOMEWORK

- Print your timetable with Python
- Convert Celsius to Fahrenheit
- Make three errors and note the messages

GREAT WORK TODAY!

Next lesson: If-else decisions

Teacher Name

Class 9

