

Lesson 1 Plan

Topic:	1 — Introduction to Pytch, making a simple project that displays text
Subject Area:	Python (via Pytch)
Class	
Duration (approx.)	40 minutes
Prior knowledge of students:	Basic computer skills (follow provided link). Some prior exposure to Scratch beneficial but not essential.

Python through Pytch exercise	
Activity name:	Learning how to create and run a Pytch project
Activity objective(s):	Introduce the basics of Pytch projects. Get students experimenting with Python programs that control Pytch sprites and display text.
Activity details	
Timing and content	
Time (minutes)	Section
1	Introduction
4	Pytch and Python main ideas
5	Predict (pair work, worksheet 1)
6	Run (pair work, worksheet 1)
10	Inspect (pair work, worksheet 2)
10	Modify/Make (pair work, worksheet 3)
2	Recap
Pedagogy	
Predict	Creating a sprite, and using the 'say_for_seconds()' function to view a string
Run	Verifying understanding by running pre-supplied project
Inspect	Investigating aspects of Python syntax via prompted questions (slide 7/worksheet 2)
Modify	Confirming understanding via prompted tasks (slide 8)
Make	(extension activity) — adding new images and referring to them in the Project
Differentiation	
Worksheet 1	Recognise program elements (statements, declarations). Predict program behaviour, recognise how actual program may vary
Worksheet 2	Understand elements of syntax and statement sequencing
Worksheet 3	Create a new program as a modification of an existing program.

Equipment required	Computer with internet connection
Links	https://pytch.org/ https://pytch.org/app/lesson/sbys/1