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USAGE

Basic examples to help you get started with some of the software available in Raspbian

CONTENTS

- [Scratch](#)
 - Scratch is a visual programming tool allowing the user to create animations and games with a drag-and-drop interface
- [Python](#)
 - Python is a general purpose programming language that is easy to pick up and also very powerful
- [Sonic Pi](#)
 - Write code to make music with Sonic Pi
- [Terminal](#)
 - The Linux terminal is a powerful tool for getting around the filesystem and issuing commands

- [GPIO: Raspberry Pi Models A and B](#)
 - The General Purpose Input/Output pins allow you to control and interact with the real world from Python, Scratch or other programming environments
- [GPIO: Models A+, B+, Raspberry Pi 2 B and Raspberry Pi 3 B](#)
 - The General Purpose Input/Output pins allow you to control and interact with the real world from Python, Scratch or other programming environments
- [Minecraft](#)
 - A free version of Minecraft is available for the Pi, and this is the only edition that has a programming interface, meaning you can control Minecraft with Python code - and even interact with the real world through GPIO
- [Python Games](#)
 - Raspbian ships with some ready made Python games for you to play on your Raspberry Pi - and why not browse the code, hack the games and learn to make your own?
- [WordPress](#)
 - Set up a web server on your Raspberry Pi and install content management and blogging system WordPress
- [Mathematica](#)
 - Mathematica is an industry leading computational platform - available for free on Raspberry Pi
- [Camera Module](#)
 - The Raspberry Pi camera module is capable of taking full HD 1080p photo and video and can be controlled programmatically
 - Libraries are available for:

- [Bash](#) (Linux command line)
 - [Python](#)
- [Webcams](#)
 - Using a standard USB webcam instead of the Raspberry Pi camera module
- [XBMC](#)
 - Installing media centre software on your Raspberry Pi
- [Playing audio](#)
 - Playing audio on your Raspberry Pi
- [Playing video](#)
 - Playing video on your Raspberry Pi
- [Demo programs](#)
 - A selection of examples to demonstrate the Pi's capabilities

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