**Affordances of Major Computing Devices**

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| **Devices** | **Constraints** | **Opportunities** | **Optional extras** |
| **Desktop computer** | StationaryTakes up spaceMay need peripheralsPlatform-specificMid-range costGenerally heavy & bulkySlow to turn on or shut downPossible licensing costProne to viruses | Full computing capacityLoads softwareFull keyboard & mouseLarge screenEasily sharedUSB and other portsExpandableUpdateableSupports multitaskingFlexible usesWorks without WiFiStores files internally | Fixed cameraMicrophoneDVD driveTouch screenSoftware Printer |
| **Laptop computer** | Platform-specificFragileCostlyCan be heavySlow to turn on or shut downSmaller screenPossible licensing costProne to viruses | Full computing capacityPortableLoads softwareFull keyboardUSB and other portsExpandableUpdateableSupports multitaskingFlexible usesWorks without Wi-FiStores files internally | Fixed cameraMicrophoneDVD driveTouch screenMouseSoftwarePrinter |
| **iPad** | CostlyFragileInternet only/Wi-Fi dependentDoes not support FlashNo USB or other portsWeak support for writing/producingDifficult keyboardSingle user (no log-on)No multitaskingPerceived as a games deviceCloud dependentDoes not printUpdated for 3-4 years | Lightweight/PortableTouch screenVariety of available appsInstant onLong battery lifeGreat for viewing contentTwo-way cameraSupports video recordingAccessible for students with disabilitiesNo licensing costsVirus resistant | iOS appsKeyboard Keyboard stand |
| **Chromebook** | Internet only/Wi-Fi dependentCloud dependentDoes not printNo multitaskingUpdated for 6.5 years | InexpensiveLightweight/portableLong battery lifeHard shellFull keyboard Fast startupIndividual log-onsManaged by GoogleNo licensing costsVirus resistantAutomatic updates | Fixed cameraTouch screenAndroid apps |