

## Digitalni praktikum

- Narava računalnikov in kode, kaj lahko in česa se ne da?;
- Kako računalnik delujejo: čipi, CPE, spomin, disk;
- Potreben žargon: biti, bajti, megabajti, gigabajti ...;
- Kako deluje softver?: kaj je program?, kaj pomeni "poganjati"?
- Kako delujejo digitalne slike?;
- Računalniška koda: zanke, logika, algoritmi;
- Širše ideje: abstrakcija, logika, hrošči;
- Kako delujejo strukturirani podatki?;
- Kako deluje internet?: ip naslov, usmerjanje, ethernet, wi-fi;
- Računalniška varnost: virusi, trojanski konji, gesla;
- Analogno in digitalno;
- Digitalni mediji, slike, zvoki, video, kompresija;
- Delo z besedili;
- Masovni podatki: hramba, analiza, vizualizacija;

## Digital Practicum

- The nature of computers and code, what they can and cannot do?;
- How computer hardware works: chips, CPU, memory, disk;
- Necessary jargon: bits, bytes, megabytes, gigabytes, ...;
- How software works?: what is a program?, what is "running"?
- How digital images work?;
- Computer code: loops, logic, algorithms;
- Big ideas: abstraction, logic, bugs;
- How structured data works?;
- How the internet works?: ip address, routing, ethernet, wi-fi;
- Computer security: viruses, trojans, passwords;
- Analog and digital;
- Digital media, images, sounds, video, compression;
- Working with texts;
- Big data: storing, analyzing, visualizing;