

UNPLUGGED

Computational Thinking zonder digitale middelen

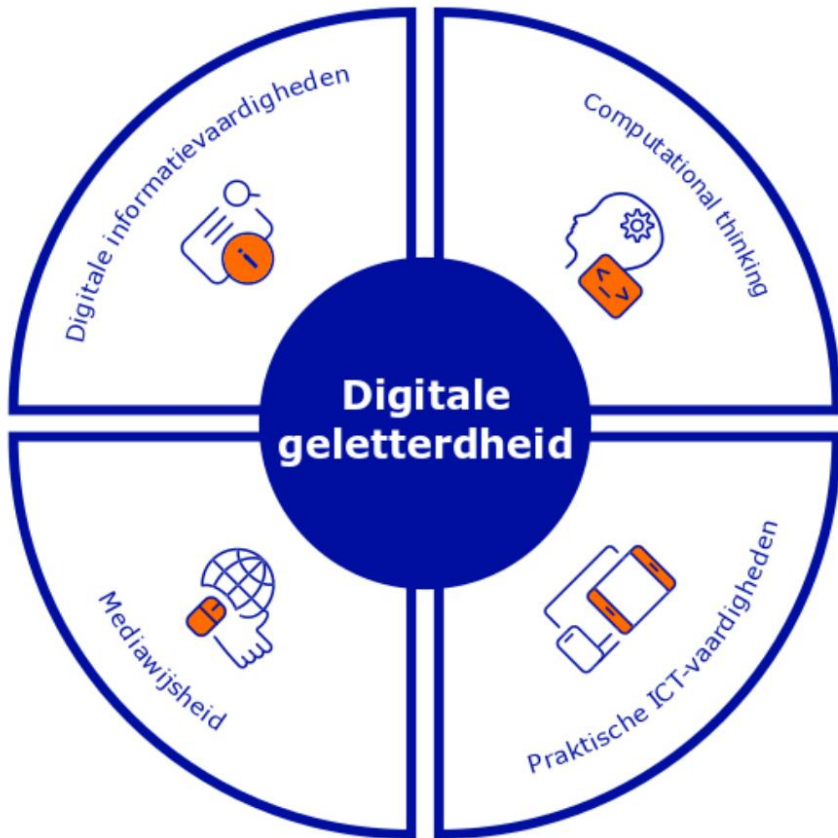


Wat is CT?

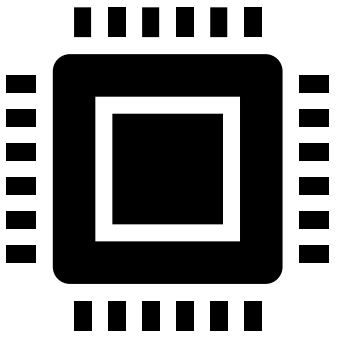
*“Computational thinking is
het procesmatig
(her)formuleren van
problemen op een zodanige
manier dat het mogelijk
wordt om met
computertechnologie het
probleem op te lossen”*

(SLO, 2020).

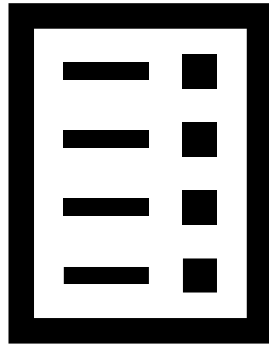
KERNDOELEN DIGITALE GELETTERDHEID



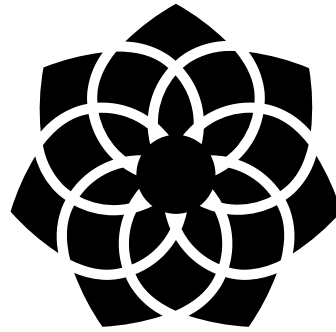
DEELGEBIEDEN COMPUTATIONAL THINKING



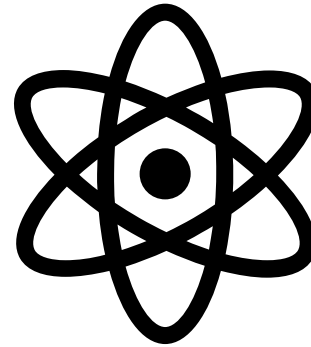
Data en
dataverwerking



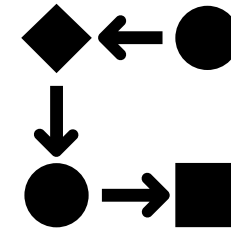
Decompositie



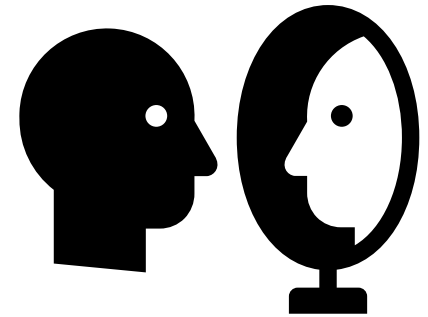
Patroonherkenning



Abstractie

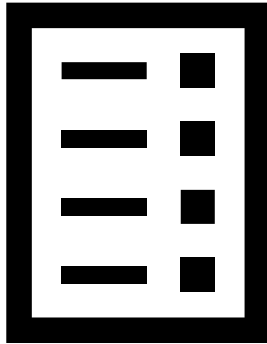


Algoritmes

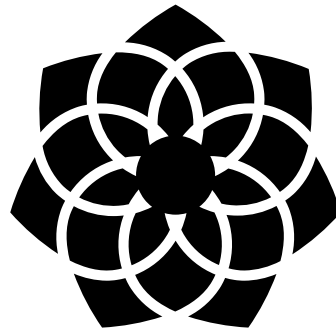


Reflectie

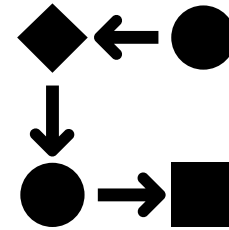
VANDAAG



Decompositie



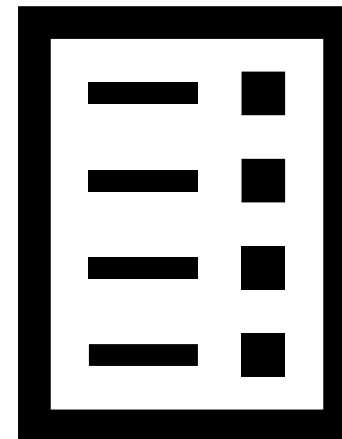
Patroonherkenning



Algoritme

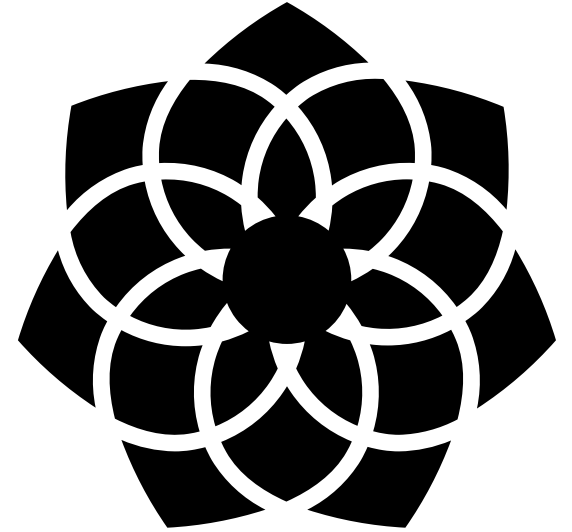
Decompositie

Probleem of taak opdelen in kleinere
deelproblemen of –taken die het oplossen
eenvoudiger maken.



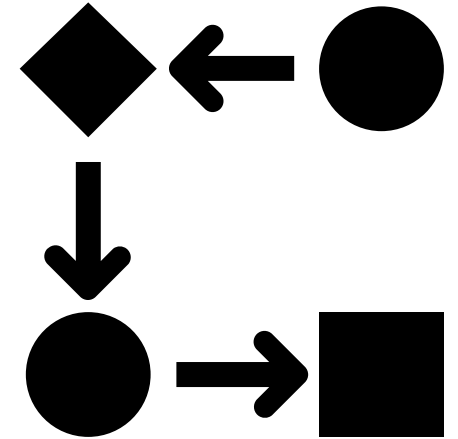
Patroonherkenning

- Herkennen van patronen in situaties, problemen en oplossingen
- Automatiseren van eenvoudige patronen met digitale technologie.



Algoritmes

Verklaring van de werking en zelf ontwerpen van een serie geordende instructies of regels die stap voor stap worden uitgevoerd om een probleem op te lossen.

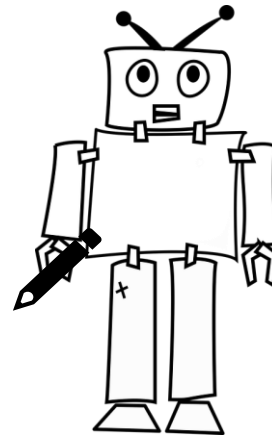




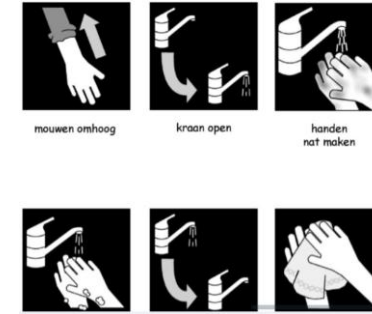
Let's go code



Modderstad



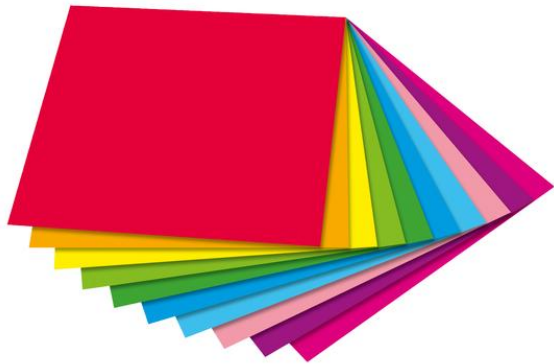
Tekenrobot



Picto algoritme



Schatzoeken



Origami algoritme



5x

Dansje met loops



Codyblock



Setje werkbladen



Nabespreking