



# WIE BEN IK?

Hoe verbind ik alle onderstaande thema's?

Mijn passie: "leren en lesgeven met ICT"



6 Months

Starting from 3rd Jan 25

# ARTIFICIAL INTELLIGENCE BOOTCAMP + GenAI

LET'S LEARN ABOUT  
THE FUTURE

ARRANGED BY IIT & COEP ALUMNI

- +11 PROJECTS
- +11 DOMAINS
- +11 SKILLS
- +20 TOOLS & TECHNOLOGY



@ai.india

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- Starting from basics.
- Become certified AI Developer

- +100 Hrs Live Sessions
- +25 Weeks
- +20 Tools & Technology
- +11 Projects
- +11 Skills
- +11 Domains
- +9 Case studies

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# AI BOOTCAMP VAN HEUTINK

AI in het onderwijs



Henk Volberda | Kevin Heij | Menno Bosma

# INNOVATIE JIJ.NU

NIET DE ROBOTS,  
MAAR WIJ  
ZIJN AAN ZET

Management **IMPACT**

## LEIDINGGEVEN AAN ICT-AMBASSADEURS

Samen ICT in onderwijs versterken



# TAFEL-INFORMATIE- VAARDIGHEDEN

Kritisch omgaan met informatie  
Fake news  
Bronnenonderzoek



# TAFEL- INSTRUMENTELE VAARDIGHEDEN

Basis ICT-vaardigheden ontwikkelen





# TAFEL- MEDIAWIJSHEID

Sociale media en privacy

### Application of Computational Thinking Across the Curriculum!

**Decomposition**  
Breaking something down into smaller parts

**Primary Terminology – “Break Apart”**  
**Early Years Foundation Terminology – “Pieces”**

- What equipment do you need for school today?
- Break down a word phonetically
- Organise a birthday party! What will you need to think about?
- How does your post get to you?
- Identify the different parts of a bike. What components make up the wheel?
- What characters will you create for your story?
- What were the key events of the 20<sup>th</sup> Century?
- What countries make up Europe?
- Write a list of shopping items
- Play Charades!
- Break the story of Romeo and Juliet down into it's main sections
- Identify the instruments used within a song
- Tap trumps!
- Break down a typical day at school
- Build a computer game using scratch. Think about graphics, levels, character...
- Pack a bag for your summer holiday
- Write down a list of ingredients for a Victoria sponge cake
- How did Wales do in Euro 2016?
- Explain the movements for the different pieces in a game of chess

### Application of Computational Thinking Across the Curriculum!

**Pattern Recognition**  
Looking for similarities or trends

**Primary Terminology – “Patterns”**  
**Early Years Foundation Terminology – “Matching”**

- “That word sounds like...”
- Critically review an existing piece of work.
- Give feedback comparing work to specific criteria
- Correct application of Male/Female tenses
- Sudoku
- Solitaire
- Chess tactics
- Logic puzzles
- Does the star wars and superman theme tunes sound the same?
- Preferred playing positions in a sport
- Pattern and sequence matching
- Spot the difference
- What do platform computer games have in common?
- Identify gradients/contours in an OS map to measure steepest route
- Times tables
- Identify similar rifts within a song
- Word search
- Sorting and classifying activities
- Fit shapes into correctly shaped holes
- Maths patterns, e.g. Fibonacci series (1,1,2,3,5,8,13,21...)
- Code breaking
- Days of the week/Month
- What drawing technique would be best to use for that style of image?
- “What tactics worked well the last time we played them?”

### Application of Computational Thinking Across the Curriculum!

**Abstraction**  
Focusing on what's important, ignoring what is unnecessary

**Primary Terminology – “Thoughts”**  
**Early Years Foundation Terminology – “Ideas”**

- “What did you learn in today's lesson?”
- Write a long term training plan
- Write a blurb for your movie
- Crosswords
- Draw a picture of your family
- What noise does a dog make?
- Following a subway map
- Write a match report
- Create a model
- What are the key skills you need to be a good Hockey player?
- Recreate the image
- Explain briefly what will happen in your computer game.
- Recreate the Eiffel Tower in Mine craft!
- Who is David Beckham?
- Demonstrate the technique used to ...
- Do an impression of...
- What are the key calculations required within the formula?
- From your research, summarise your key findings.
- “What's your plan for the weekend?”
- “What's the weather forecast for today?”
- Charades
- What happened to Henry VIII's wives?
- “How does that song go again?”

### Application of Computational Thinking Across the Curriculum!

**Algorithmic Design**  
Create a set of step-by-step instructions to complete a task

**Primary Terminology – “Instructions”**  
**Early Years Foundation Terminology – “Plan”**

- Draw a map
- Explain the process of photosynthesis
- Write a piece of music
- Write an algorithm to show how your computer game character will move.
- Write a short term training programme
- Create a timeline of events for WWII
- Making patterns
- Create a point by numbers
- Create a storyboard for an animation
- Create a phrase book
- Write out the steps for conducting your experiment
- Create a tactical playbook
- Dot to dot
- Build a pirate ship out of Lego
- Create a family tree
- Create a flowchart to show how you would ...
- Speed cup stacking!
- Create a how 2 guide so someone else can recreate your drawing
- Choreograph a dance / gymnastics routine
- Create an origami
- Write a shopping list
- Create a coaching card for the tennis serve
- Draw a diagram to show the water cycle
- Create a blueprint to design a ...

# TAFEL- COMPUTATIONAL THINKING

Problemlösung und denken





# LEGO CHALLENGE

LEGO als educatief middel





# DRONE CHALLENGE

Drones in de klas



# PROJECTLEIDER MONITOR

Monitor Leren en lesgeven met ict

Marjoke Bakker, Carolien van Rens, Kyra de Korte, Bas Kurver & Marijke Kral





# SD GELDERLAND

Kennisdeling in de regio





# MAKERCOSMOS

Creativiteit en technologie



# Techkwadraat

- Technologieonderwijs voor **alle** kinderen en jongeren.
- Over onderwijsmuren heen door samenwerking scholen, bedrijven en buitenschoolse leeromgevingen.
- Impuls om dat wat werkt regionaal en landelijk te vermenigvuldigen.

## Wat komt er?

- 1e fase 2025-2027: 145 miljoen euro onvoorwaardelijk toegekend waarvan 90% via subsidieregeling beschikbaar komt voor de regio's.\*
- Regionale ondersteuning voor consortium- en planvorming vanaf september 2024.
- Kennisprogramma vanuit thema's **interventiekompas** (inspiratie, praktische handvatten, onderzoek).

## Wie komt in aanmerking?

- Regionale consortia bestaande uit basis- en voortgezet onderwijs scholen mét bedrijven, bibliotheken, musea, technohubs, etc.

Kijk op **de netwerkkaart** bij welke regionale samenwerkingsverbanden je kan aansluiten of met wie je een regionaal consortium kan vormen!

## Waar krijg je subsidie voor?

- Plannen voor aanpak technologieonderwijs op basis van het interventie-kompas voor leerlingen in het basisonderwijs, speciaal onderwijs, havo, vwo en vmbo-tl.
- Netwerkfunctionarissen voor coördinatie en organisatie.

# TECHKWADRAAT

Innovatiefnetwerk

\*) meer informatie over middelen per regio volgt in het najaar.

# Ict in het onderwijs

Overzicht voor de procesbegeleider

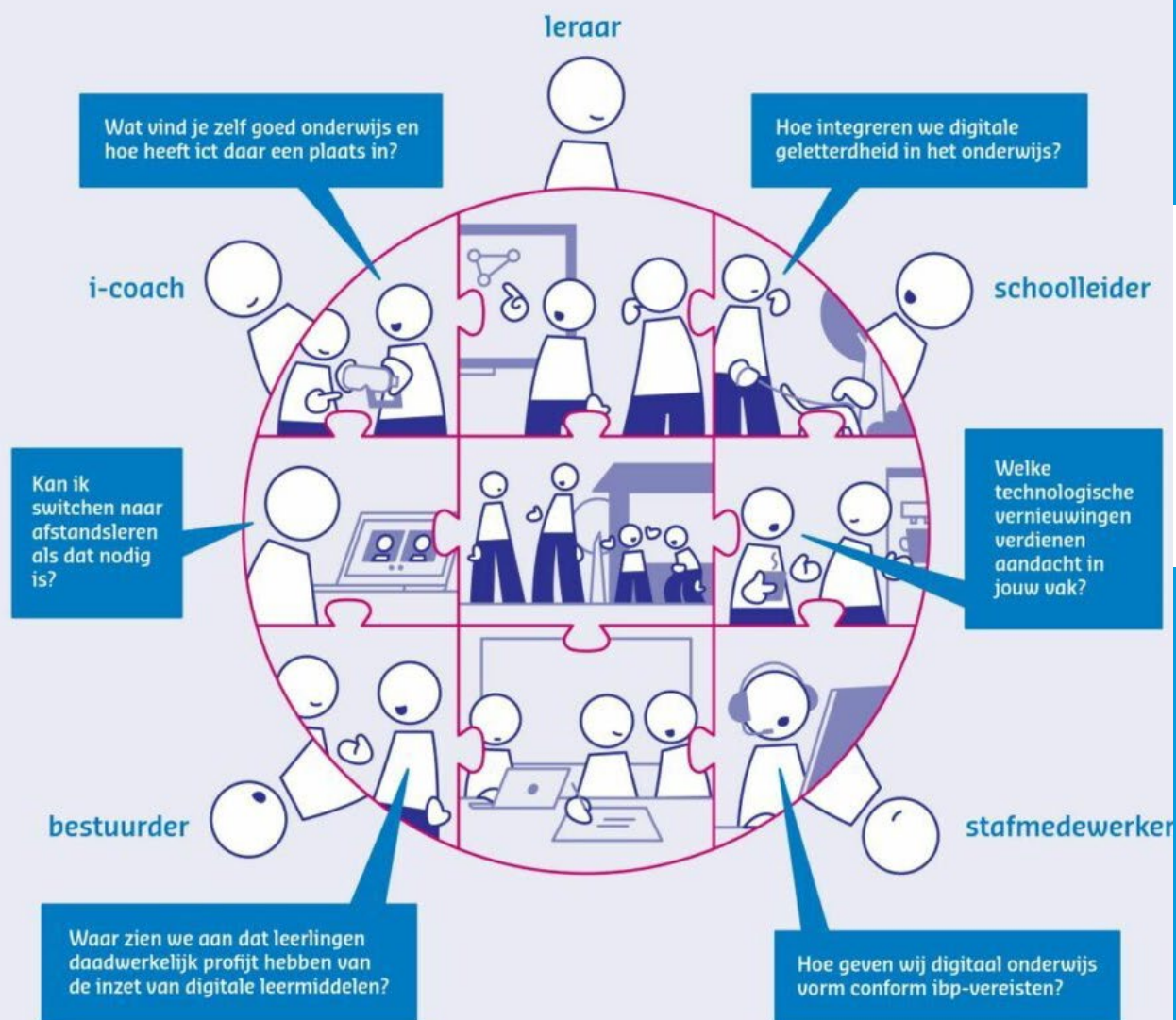


## SPECIALIST LEREN EN LESGEVEN MET ICT

ICT-strategie en uitvoering



## Samen werken aan ict-bekwaamheid



# KENNISGROEP

Meedenken over ICTbeleid



# IXPERIUM

Docenten en leerlingen inspireren



# PROGRAMMA'S OP SCHOLEN

Ondersteuning op maat





# ONDERHOUD SHAREPOINT

Digitale leeromgevingen inrichten



WAT HEB IK  
BEREIKT?

Welke projecten hebben effect



# CALL TO ACTION

Waar liggen kansen in ICTen onderwijs



# IXPERIUM

Docenten en leerlingen inspireren