

# VO Lessenserie

IoT, Netwerken & slimme oplossingen

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# Agenda

-  Cisco Networking Academy
-  NetAcad Portfolio
-  NetAcad aanbod VO
-  Lessenserie
-  Smart solutions in de praktijk

# Global Impact for NetAcad

Since program inception in 1997



**180**  
Countries



**1.3 million+**  
Current  
students  
worldwide



**10,000+**  
Academies  
worldwide



**22,000+**  
Instructors  
worldwide



**7.8 million+**  
Students enrolled  
since 1997



**19**  
Course  
languages








































# The Networking Academy Learning Portfolio

## Current & Planned

 Aligns to Certification

 Instructor Training required

 Self-paced

		Collaborate for Impact				
		 Introduction to Packet Tracer	Packet Tracer	Hackathons	Prototyping Lab	Internships
		Exploratory	Foundational	Career-Ready		
 Networking	<b>VO Lessenserie</b>		 <b>Networking Essentials</b>  <b>Mobility Fundamentals</b>  <b>Emerging Tech Workshop:</b> Network Programmability Using Cisco APIC-EM	  <b>CCNA R&amp;S:</b> Introduction to Networks. Switching, Routing and Wireless Essentials. Enterprise Networking, Security, and automation.   <b>CCNP R&amp;S:</b> Switch, Route, TShoot		
 Security	 Introduction to Cybersecurity		 <b>Cybersecurity Essentials</b>	  <b>CCNA Security</b>   <b>CCNA Cybersecurity Operations</b>		
 IoT & Analytics	 Introduction to IoT		<b>IoT Fundamentals:</b>  Connecting Things, Big Data & Analytics, IoT Security Hackathon Playbook			
 OS & IT	 NDG Linux Unhatched		  <b>NDG Linux Essentials</b>   <b>IT Essentials</b>	 <b>NDG Linux I</b>  <b>NDG Linux II</b>		
 Programming			 <b>CLA: Programming Essentials in C</b>  <b>CPA: Programming Essentials in C++</b>  <b>PCAP: Programming Essentials in Python</b>  <b>Emerging Tech Workshop:</b> Experimenting with REST APIs using WebEx Teams	 <b>CLP: Advanced Programming in C</b>  <b>CPP: Advanced Programming in C++</b>		
 Business	 <b>Be Your Own Boss</b>		 <b>Entrepreneurship</b>			
 Digital Literacy	 <b>Get Connected</b>					

# NetAcad Aanbod VO



Gehele Portfolio



Optionele  
Instructor Training



NL Cursussen intro IoT,  
Cyber & IT Essentials



VO Lessenserie  
IoT & Netwerken



Kostenloos!

# Vo Lessenserie

- Positionering: 4e jaars HAVO/VWO
- 3 Modules = 1 lessenserie = 8 lessen
  - IoT, Netwerken, Slimme oplossing
  - Modules kunnen apart gebruikt worden
- LMS (canvas) beschikbaar
- Optionele Packet Tracer opdrachten
- Slimme oplossing maakt gebruik van LoRa WAN locatie en positieve tracker inclusief drukknop
- Tracker (gratis) onderdeel van de lessenserie 😊

# Lessenserie

Hoofdstuk	IoT	Netwerken	Slimme Oplossingen
1: De digitale transformatie	x		
2: Netwerken liggen aan de basis		x	
3: Dingen verbinden thuis en industrieel	x		
4: Slimme oplossingen			x
5: Slimme apparaten			x
6: Communicatieprotocollen		x	
7: Het Internet		x	
8: Eindopdracht Slimme rollator			x

# Slimme oplossingen in de praktijk

- Wanneer wordt een apparaat slim?
- Praktijk opdracht “slimme rollator”
- Bij deelname ontvang je de GPS tracker ter ondersteuning van de praktijkopdracht





