Internships in VVOB programmes 2020

Teaching STEM and developing teaching resources in a lower-secondary school in Rwanda

Summary of the internship

Tijdens deze stage zal je worden ondergedompeld in de dagelijkse klasrealiteit van een Rwandese basisschool. Gedurende minimum 3 maanden zal je STEM (wiskunde en/of fysica) geven aan 10 tot 15-jarigen. Hierbij focus je op leerlinggerichte benaderingen, het gebruik van leerlijnen, differentiatie en het gebruik van lage kost materialen. Ook neem je initiatieven in de school om de professionele vorming van leerkrachten te versterken, bijvoorbeeld door samen een professionele leergemeenschap op te starten. Op die manier zorg je ervoor dat de materialen die je ontwikkelt, breed gekend en gebruikt worden binnen de school. Naast het lesgeven neem je deel aan alle schoolgerelateerde activiteiten, zoals vergaderingen, activiteiten met de locale gemeenschap en verbeterwerk. Samen met je begeleider van VVOB reflecteer je over je ervaringen en denk je mee na over hoe het VVOB programme zo goed mogelijk de onderwijskwaliteit kan verbeteren.

1. Location

Country	**Rwanda**
Town	**Kamonyi of Rwamagana**
Partner / Institute	**Secondary school in one of target districts of VVOB**
Department	

2. Period

February – June 2020 (flexible, minimum 3 months)

3. Terms of Reference

Objectives of the Traineeship	The trainee will teach about 15-20 periods per week (1 period = 40 min). As a student teacher, you work under the guidance of a school-based mentor to implement activating and learner centred teaching approaches while integrating the use of concrete, low-cost, didactic materials to assist learning of mathematics and/or physics topics and integrating links with engineering and ICT in line with the Rwandan competence-based curriculum. Attention is given to the effective use of materials that are already available in the school. Apart from teaching, the trainee will develop low-cost teaching resources for a selected topic in the curriculum. This can be a set of low-cost experiments, posters, games or other activities to help teachers to make their teaching more learner-centred and inquiry-based. You organize activities in the school to make teachers and learners familiar with the materials that you have developed. The trainee will reflect on his/her own learning as well as what is observed with the colleagues and formulate action points/ needs for teacher training and VVOB.

Expected Results	Lower secondary education teachers in STEM subjects have improved skills pertaining to teaching STEM topics. Materials are available to guide teachers in teaching STEM in a learner-centred way using a variety of techniques and materials.			
Planned activities and time frame	**Activity**	**M1**	**M2**	**M3**
	Observation, exploring the context, understanding needs	x		
	Lesson preparation, teaching, school meetings, assessment tasks	x	x	x
	Development of low-cost teaching and learning resources in line with curriculum.	x	x	x
	Formulate conclusions on observations, advise VVOB on needs for further development.			x
Equity component of internship	- Implement principles of inclusive education during STEM teaching (differentiation) - Focus on high expectations for all learners, regardless of sex or other learner characteristics. - Actively address gender stereotypes within the school.			

4. Support

Working environment	Selected basic education school in target district of VVOB
Position in the program/institution	This traineeship fits under the LTLT Programmes of VVOB
Name Supervisor	Stefaan Vande Walle (Education advisor VVOB Rwanda) Sandrine Ishimwe (STEM advisor VVOB Rwanda)

5. Minimum requirements

Expertise	STEM Education Low-cost teaching resources Proficiency in English (written and spoken)
Profile	• Bachelor in lower secondary education, subject specialisation: mathematics/science. The trainee needs to be good at: • lower secondary education mathematics and/or science • Activating and learner-centred teaching approaches • Developing higher order thinking skills in lessons • Developing and integrating low-cost didactic materials
Required / Preferred preparation	• Getting familiar with educational context in Rwanda • Getting familiar with VVOB programme in Rwanda • Pedagogical approaches and learning lines for teaching lower secondary level mathematics and science (physics, biology, chemistry).
Duo-attachment possible?	Yes, preferably
Preferential or reserved attachment in the context of a Structural Partnership?	No

6. Working conditions	
Workload	40hrs/week
Leave days / days off	2,5 days per month + weekends and public holidays
Required language skills	English (spoken and written)
Transport	Public transport (buses, motorbike), bicycle, car rental (occasionally).
Estimated general costs	Accommodation: 200 – 400 USD/month Living expenses: Cfr. Belgium
Possibilities accommodation	School accommodation, guest house or furnished room in house.

7. Comments

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