



Agricultural Mo(o)ve with 21st century skills

International Livestock/Dairy Learning Unit
EQF4

Health and welfare of dairy cows in loose housing

31.10.2021-13.11.2021

Skjetlein Videregående Skole, Norway



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CONTACT INFORMATION	ACTIVITY CONTENTS
Skjetlein Videregående Skole	Livestock Dairy
Number of LU (I or II)	1
Title of the LU	Health and welfare of dairy cows in loose housing
Name of contact person	Karoline Holte, Line Langø
Name of partner colleges	Axxel, Aeres, Vonk, Munkagaard
Start date Learning Unit	31. October 2021
End date Learning Unit	13. November 2021
LEARNING OUTCOMES	DESCRIPTION
	<p>KNOWLEDGE/SKILLS/COMPENECE</p> <ul style="list-style-type: none"> The student examines and evaluates the cow's natural behavior to assess the welfare of a herd The student appraises preventative health work on dairy cows identify symptoms of discomfort and injuries in dairy cows and consider different measures to increase the welfare The student shows commitment, responsibility, cooperation and proactivity to complete the task
Stages and results	<p>Project description: Target group: Students 17-18 years</p> <p>Aim In this learning unit the student will learn about health and welfare of dairy cows in loose housing. They will use knowledge about natural behaviour of cattle and cowsignals to assess the welfare in a herd and come with suggestion on how the welfare can be improved.</p>

Day to day program of Learning Unit		
Day	Time	Activity
Day 1		Arrival Norway.
Day 2	08.15	Picket up by the bus at Karivollen
	08.30	Welcome to Skjetlein. Practical info and get to know each other.
	11.30	Lunch with the group
	12.30	Get to know each other. Work with different assignments
	15.45 16.15	Dinner at Skjetlein Bus driving back to Karivollen





Day	Time	Activity
Day 3	08.15 08.30-	Picket up by the bus at Karivollen Tasks in groups about health and animal welfare
	11.30- 12.30	Lunch outside (Pizza). One class at Skjetlein will be with us
	12.30-	Tour around the school. Quiz and "vaffel with brunost". One class at Skjetlein will be with us
	15.45 16.15	Dinner at Skjetlein Bus driving back to Karivollen
Day 4	08.00 08.15-	Picket up by the bus at Karivollen Get to know the cowshed at Skjetlein. One class at Skjetlein will be with us.
	11.30- 12.30	Lunch
	12.30-	Natural behaviour of cattle
	14.05 14.30	Dinner at Skjetlein Bus driving to Karivollen
	19.00	Picket up by the bus at Karivollen. Going to Bowling and Pizza.
	21.00	Bus driving back to Karivollen
Day 5	08.15 08.30-	Picket up by the bus at Karivollen Cowsignals. We will be in the cowshed at Skjetlein
	11.30- 12.30	Lunch
	12.30-	Introduction to the assignment for next week
	15.00 15.30	Dinner at Skjetlein Bus driving back to Karivollen
Day 6	10.00	Trip to Trondheim Pickup by the bus at Karivollen. Spend the day sightseeing and eating lunch in Trondheim
Day 7		Optional activity
Day 9	08.00	Trip to visit farms at Ørlandet (we will take a ferry to get there)





	08.30	Pickup by the bus at Karivollen
	10.30	Arrival at first farm
	12.00	Arrival at second farm. Begin with lunch here.
	16.30	Dinner at Melhus in the evening
Day 10	08.00 08.15	Picket up by the bus at Karivollen
	09.15	Lecture from Kirsti Winnberg, "Kunnskap om kua" (a cow-influencer). She is a Phd-student at NMBU (Norwegian university of life and science).
	10.30	Leaving Skjetlein to visit a farm on Byneset.
	11.00	Arrival at farm on Byneset. Getting info about the farm, tastings and lunch
	13.15	Leaving Byneset
	14.15	Arrival at "Orkladal Ysteri", info about the farm and tastings
	17.00	Dinner at Skjetlein for students and teachers Bus driving back to Karivollen after dinner
Day 11	08.15 08.30	Picket up by the bus at Karivollen Tour around Skjetlein (for the teachers)
	09.30	Leaving Skjetlein. Outdoor activity and lunch
	12.30	Working with assignment
	14.05 14.30	Dinner at Skjetlein Bus driving to Karivollen
Day 12	08.00 08.15	Picket up by the bus at Karivollen Working with the assignment
	11.30- 12.30	Lunch
	12.30	Work with assignment
	13.45	Leaving Skjetlein to visit farm
	14.00	Arrival at the farm
	15.00	Dinner at Skjetlein





	15.30	Bus driving to Karivollen
Day 13	09.00	Picket up by the bus at Karivollen
	09.15	Animal welfare conference. Presentation from each group. Evaluation of the stay.
	11.00	Snack break
	13.00	Lunch at "Tyholtårnet" and delivery of diploma Going home to Karivollen after lunch
Day 14		Departure from Trondheim

EQF level	4
Duration of activity	2 weeks
ICT Tools	E-Twinning, Teams, WhatsApp, Google docs.
Organization of the activity	Skjetlein Videregående Skole
Number of students/staff involved	Total of 9 international students. 3 from Aeres, 2 from Vonk, 2 from Axxel, 2 from Axxel and 3 from Norway. 2 teachers from Aeres, 1 from Axxel, 1 from Munkagaard and 1 from Vonk visited the pilot in the second week.
Minimum knowledge that the students must know	<ul style="list-style-type: none"> - Basic english knowledge - Basic animal experience from practical work
Validation	All Learning outcomes will be validated during the LU
Hereby I give my permission to be contacted by interested parties	Yes
Name / email contact person	Karoline Holte, karhol@trondelagfylke.no Line Langø, linla@trondelagfylke.no

