



Livestock[®]

PROPOSED SCHOOLS PROGRAMME
AGRI-EXPO LIVESTOCK
2017



STATION 1 - THE SEALED AIR WASH BAY

TOPIC: Clean and healthy food

PURPOSE: The purpose of a wash bay is to keep animals clean and healthy from diseases, pests and parasites. This insures an increase in productivity and a more profitable animal. It protects the consumer by ensuring the food consumed is safe. A clean and healthy animal on the farm protects the health of farm workers and its families. It ensures a close-up inspection of the animals, controls the spread of diseases on farms and creating an environment to keep animals clean and disinfected. Considering the shortage of water, systems can be put in place to utilizing water better. The washing and cleaning of animals can minimize any suffering caused by external parasites. All these advantages will ensure a better quality product for the producer.

THE PRESENTERS: The presenters will be experts in the hygiene and food safety industry of South Africa and leaders in the global industry. These experts will inform learners about consuming clean and safe food, demonstrate key points to look at when consuming food and the advantages of precautions that can be taken. They will make this an interactive, fun session where learners can touch and feel the animals being washed, ask questions and be part of the action.

STATION 2 - THE GEA MILKING PARLOUR

TOPIC: Safe, clean and healthy milk

PURPOSE: The milking process throughout South Africa is highly modernized. The milk consumed through retailers is considered safe and healthy. Cows get

milked in a safe environment that is highly comfortable for the animals. Due to the strict regulations, these parlours are monitored and a huge emphasis is put on bio security.

THE PRESENTERS: Presenters will show learners the functionality of a highly modernised milking parlour, demonstrating the hygiene and comfort of the parlour. Learners will be educated on the different milking systems, the cooling systems and the value chain. Children will experience and take part in the milking of cows, an opportunity that children do not get anymore due to various reasons.

STATION 3 - THE DAIRY INDUSTRY – OAKLAND DAIRY BEDOUIN

TOPIC: All about Dairy

PURPOSE: Dairy is a good source of calcium and vitamin D as well as protein and other essential nutrients. Dairy products are important to fight diseases, renew cells, build muscles and maintain healthy hair and nails. Milk and dairy products are an important part of a young child's diet and each glass of milk contains 8 grams of protein. It is a good source of energy and contains a wide range of vitamins and minerals which is vital for growing children and young people. Dairy products are essential for healthy bones and teeth.

THE PRESENTERS: Presenters from the **MILK PRODUCERS ORGANISATION (MPO)** will do interactive educational talks about the dairy industries' health benefits, advantages of milk, the value chain and the total value of the dairy industry. They will explain the different roles of a dairy farmer and the fact that dairy farming produces an income every day. The dairy industry is not so much reliant on rainfall and development is possible even in dry climates. They will also highlight the benefits of dairy, including the dairy processing

industry like cheese making and other opportunities.

STATION 5 - THE COW HOTEL

TOPIC: Cow Comfort

PURPOSE: Cows spend most of their time in the cow hotels/stables. Cow comfort can provide immense benefits to animal well being, milk yield and cow longevity. The cow comfort has considerable influence on productivity, health, milk production, animal well being, milk quality and farm profitability. A good cow hotel/barn will minimize stress in animals and poorly designed cow hotels/barns can cause injuries, mastitis, hock abrasions, lameness and other disadvantages.

PRESENTERS: Livestock is the only show in South Africa that can pride itself on true cow comfort for its dairy animals. This enables the highly experienced presenters to show the correct stabling and the design of cow stables and barns. They will highlight the advantages of taking care of your animals on the farm but also general caretaking of domestic animals at home.

STATION 9 - CATTLE BREEDS

TOPIC: Cattle breeds and their advantages

PURPOSE:

Dairy Breeds – South Africa's most popular dairy breeds are Jerseys, Holsteins and Ayrshire's. Jerseys is one of the smallest dairy breeds and compared with body mass, produces the most milk of all breeds. The Jersey also has the highest butter fat of all breeds and is therefore the most favourable breed to make cheese. The Holstein is the largest dairy breed in the world, producing

more milk than any breed but has a much bigger frame. It is a black and white cow and is known to most South Africans. Ayrshires produce striking white milk which is used by up-market restaurants and convenient stores, e.g. Woolworths, which is the only retailer of Ayrshire milk in SA.

Beef Breeds - Beef breeds all have unique characteristics, like colour, horns, frame work, muscularity, meat marbling, heat resistance and adaptability. Knowing these breeds and their characteristics will enable the producer to know what meat he or she is buying.

PRESENTERS: Agri-Expo Livestock is home to the 3 most popular dairy breeds, the Jerseys, Ayrshires and Holsteins. Presenters are experts in their fields who will explain the different characteristics of each of the breeds. The advantages and the preferences of each of the breeds will be thoroughly explained. Learners will see the difference in colour, size and shape. They will have the opportunity to touch, feel and ask questions about these breeds. Agri-Expo Livestock offers 14 Beef Cattle breeds on show and presenters will explain the difference in adaptability, colour, size and all other characteristics.

STATION 6 - THE POULTRY HUB

TOPIC: Poultry in South Africa

PURPOSE: Poultry has been on earth for over 150 million years. It has been providing humans with companionship, food and fibre in the form of eggs, meat and feathers. The Poultry industry in South Africa is one of the largest industries in the agricultural sector creating jobs in all 9 provinces. Poultry can be kept as pets at home or as a business enterprise.

THE PRESENTERS: Presenters from the poultry industry will highlight the

uniqueness of different poultry breeds and how to take care of them. Part of the programme will be to educate children on basic terminology of poultry e.g. chick, pullet, rooster, cockerel etc. They will also focus on the rearing of the chicks, feeding preferences, vitamins and minerals needed. They will focus on the basic hygiene of poultry, the design of the chicken coop and the preferences of the different breeds.

STATION 8 - SHEEP AND WOOL

TOPIC: Sheep and wool farming

PURPOSE: Wool is a natural fibre that is breathable and renewable. It has the ability to leave you warm in winter and cool in summer. Wool helps to regulate body temperature and is a renewable source as sheep can grow a coat of wool annually. It is dust and mite resistant, unlike other synthetic material. Wool is fire resistant and is a great income for small and large scale farmers. Wool shearing is a professional occupation throughout the world. Sheep farming is highly modernised in South Africa and contains the biggest amount of land used in South Africa.

PRESENTERS: BKB, presenters from the sheep and wool industry, will shear a sheep for learners to see the technique of sheep shearing. They will explain the South African Sheep Shearing Championships and how learners can take part. Learners will be given the opportunity to feel, touch and smell the wool. Sheep will be handled and the best practices of handling sheep will be presented. Presenters will explain different sheep breeds, their regions and their sources of income. Industry careers will be explained in detail as well as the opportunities the industry has to offer.

STATION 10 - THE TOUCH FARM

TOPIC: The Farm Experience

PURPOSE: Kids and animals are natural companions. This companionship can be invaluable physical and emotional therapy for each learner. Handling animals help children gain confidence and teach them about the responsibility of caring for animals. Contact with animals provide an enjoyable experience, especially for children who are only used to common domestic animals like cats and dogs.

PRESENTERS: Presenters will inform learners about the different animals on display and what they are used for. These animals will be tame and can be touched and petted by the learners. The presenters will explain the basics of caring for animals and will include topics such as housing, feeding, nutrition and animal health.

STATION 11 – PUBLIC SAFETY & WILDFIRES

TOPIC: Public Safety & Wildfires in the Western Cape

PURPOSE: 90% of wildfires are caused by humans, for example, by smoking and unattended campfires, compared to a small amount which is started by natural occurrences such as lightning. The immediate damages of wildfires are to the soil, wildlife, houses and almost everything in its way. When such fires spread to agricultural lands, crops and animals are destroyed. The very capable Public Safety & Wildfires workers have a wealth of information and expertise to impart to learners of all ages.

PRESENTERS: Presenters from Stellenbosch Traffic, Fire & Conservation will educate learners on how to limit and avoid wildfires. Where to store flammable materials, such as wood, gas, lighters etc. Encourage learners to

plant low flammable vegetation in their gardens. How to provide community alerts about fire risks. How to raise community awareness about wild fires and the vulnerabilities involved. Presenters will inform learners about the risks and threads that wildfires oppose but also what to do in a fire situation. Learners will be taught general safety rules when walking around town. They will interact with the traffic & law enforcement officials so that they feel comfortable with them and learn to respect them.



**Western Cape
Government**

Agriculture

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