

Title	Demonstrate knowledge of poultry reproductive and respiratory systems, and chick development		
Level	3	Credits	7

Purpose	<p>This unit standard is for people working in a poultry production context.</p> <p>People credited with this unit standard are able to: demonstrate knowledge of the reproductive systems of poultry, describe the respiratory system of poultry, and demonstrate knowledge of egg structure and chick embryo development.</p>
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Classification	Poultry Production > Poultry Husbandry
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Available grade	Achieved
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Guidance Information

Reference information may be found in the following website – <http://www.poultryhub.org>

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of the reproductive systems of poultry.

Performance criteria

- 1.1 Describe reproductive systems in terms of the reproductive stages and cycles.
Range mating, fertilization, oviposition, ovulation, egg formation.
- 1.2 Identify the major hormones controlling reproduction and describe their role in the reproductive system.
- 1.3 Identify and describe the factors affecting egg production.
Range includes but is not limited to – nutrition, environment, health, mating ratio, breeding and selection, husbandry, management, lighting.

Outcome 2

Describe the respiratory system of poultry.

Range sinus, trachea, bronchial tubes, lungs, air sacs, bone cavities.

Performance criteria

- 2.1 Describe the respiratory systems of poultry in terms of the process of breathing.
- 2.2 Describe the respiratory system of poultry in terms of the purpose of oxygen and carbon dioxide.
- 2.3 Describe the respiratory systems of poultry in terms of the effect and results of contamination by air pollutants.

Outcome 3

Demonstrate knowledge of egg structure and chick embryo development.

Performance criteria

- 3.1 Identify and describe the components of the egg in terms of their functions.

Range blastodisc, yolk, yolk membranes, albumen, shell membranes, shell, cuticle.
- 3.2 Describe chick embryo development in terms of anatomical changes, hormonal control, and conditions required for incubation.
- 3.3 Describe hatching in terms of the processes involved and the conditions required.
- 3.4 Describe hatchability in terms of the influencing factors.

Replacement information	This unit standard replaced unit standard 8859.
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Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 June 2019	N/A
Rollover and Revision	2	15 December 2022	N/A

Consent and Moderation Requirements (CMR) reference	0052
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact the Muka Tangata – People, Food and Fibre Workforce Development Council qualifications@mukatangata.nz if you wish to suggest changes to the content of this unit standard.