



# SCOUTMASTER BUCKY

## AVIAN OPTION - Animal Science Merit Badge

### ANIMAL SCIENCE MERIT BADGE WORKBOOK

#### AVIAN OPTION

**AVIAN OPTION  
REQUIREMENT 6a:**

Make a sketch of a layer house or broiler house showing nests, roosts, feeders, waterers, and means of ventilation.

Blank area for sketching a layer house or broiler house showing nests, roosts, feeders, waterers, and means of ventilation.



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### AVIAN OPTION REQUIREMENT 6a:

Explain how insulation, ventilation, temperature controls, automatic lights, and other environmental controls are used to protect birds from heat, cold, and bad weather.

Insulation:

Ventilation:

Temperature Controls:

Automatic Lights:

Other Environmental Controls:



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### AVIAN OPTION REQUIREMENT 6a:

Explain the importance of light for egg production.

Notes:

### AVIAN OPTION REQUIREMENT 6b:

Explain why overcrowding is dangerous for poultry flocks.

Notes:

### AVIAN OPTION REQUIREMENT 6c:

Tell about the grading of eggs.

Notes:



## AVIAN OPTION - Animal Science Merit Badge

**AVIAN OPTION  
REQUIREMENT 6c:**

Tell how broilers (fryers) are graded.

Notes:

**AVIAN OPTION  
REQUIREMENT 6c:**

Describe the classes of chicken meat.

Notes:



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**DO ONE OF THE FOLLOWING FOR THE AVIAN OPTION (6D1, 6D2, or 6D3)**

**AVIAN OPTION REQUIREMENT 6d1:** Manage an egg-producing flock for five months. Keep records of feed purchased, eggs sold, medication, vaccination, and mortality. Present your records to your counselor for review.

Age	Type of Feed	Amount of Feed Consumed	Cumulative Feed Consumed	Eggs Collected	Eggs Sold	Price Per Egg
Week 1						
Week 2						
Week 3						
Week 4						
Week 5						
Week 6						
Week 7						
Week 8						
Week 9						
Week 10						
Week 11						
Week 12						
Week 13						
Week 14						
Week 15						
Week 16						
Week 17						
Week 18						
Week 19						
Week 20						
Week 21						
Week 22						



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## AVIAN OPTION - Animal Science Merit Badge

Vaccination / Medication / Mortality Records		
Date	Vaccination / Medication	Notes



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### AVIAN OPTION REQUIREMENT 6d2:

Raise five chickens from hatching. Keep records of feed intake, weight gains, medication, vaccination, and mortality. Present your records to your counselor for review.

Age	Type of Feed	Amount of Feed Consumed	Cumulative Feed Consumed	Body Weight	Weight Gain	Target Weight
Week 1						
Week 2						
Week 3						
Week 4						
Week 5						
Week 6						
Week 7						
Week 8						
Week 9						
Week 10						
Week 11						
Week 12						
Week 13						
Week 14						
Week 15						
Week 16						
Week 17						
Week 18						
Week 19						
Week 20						
Week 21						
Week 22						
Week 23						
Week 24						
Week 25						



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## AVIAN OPTION - Animal Science Merit Badge

### Vaccination / Medication / Mortality Records

Date	Vaccination / Medication	Notes





## AVIAN OPTION - Animal Science Merit Badge

**AVIAN OPTION** Visit a commercial avian production facility.  
**REQUIREMENT 6d3:**

Production Facility Name and Location:

Person's Name and Position that you spoke with:

**AVIAN OPTION** Describe what you saw and explain what you learned.  
**REQUIREMENT 6d3:**

Notes:



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### AVIAN OPTION

#### REQUIREMENT 6d3:

If you cannot visit a commercial facility, view a video from a poultry association, or research the internet (with your parent's permission) for information on poultry production. Tell about your findings.

*Parent's Signature indicates:*

*Scout does not have the opportunity to visit a commercial avian facility*

*and*

*the online resources below have been approved by the Scout's parent*

Poultry Association Video(s) / Website(s) selected:

\_\_\_\_\_  
Parent's Name

\_\_\_\_\_  
Phone

\_\_\_\_\_  
Parent's Signature

\_\_\_\_\_  
Date

*approved*

**Notes:**



## AVIAN OPTION - Animal Science Merit Badge

### AVIAN OPTION REQUIREMENT 6e:

Define the following terms: chick, pullet, hen, cockerel, cock, capon.

chick:

pullet:

hen:

cockerel:

cock:

capon: