

EASTERN LEBANON COUNTY SCHOOL DISTRICT
STUDENT LEARNING MAP

Course/Subject: Companion Animals
Topic: Rabbits
Days: 6-16

Grade Level: 10-12

Key Learning: Students will learn how to raise healthy rabbits.



Unit Essential Question: How can I raise healthy rabbits?

Concept: Rabbit Vocabulary	Concept: Rabbit Uses	Concept: Reproduction
Standards:	Standards:	Standards:
↓	↓	↓
Lesson Essential Question: How do I sound intelligent when talking about rabbits? What are the parts of a rabbit?	Lesson Essential Question: How are rabbits classified?	Lesson Essential Question: How do I create a healthy breeding stock?
↓	↓	↓
Vocabulary: Buck Does Bunny Kit Kindle Litter Junior Intermediate Senior Breed Variety Molting	Vocabulary: Small Medium Large Pets Show/exhibition Meat production Pelts Wool Laboratory/Research	Vocabulary: Vigorous Sinewy “trio” Compatible Gestation Palpation Weaning

EASTERN LEBANON COUNTY SCHOOL DISTRICT
STUDENT LEARNING MAP

Gestation Lactation Unproven Proven All rabbit parts		
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Concept: Rabbit Management	Concept: Rabbit Diseases	
Standards:	Standards:	
↓	↓	
Lesson Essential Question: How do I manage my herd? How are rabbits identified? Why is record keeping important?	Lesson Essential Question: What are the common health ailments of rabbits and how do I treat them?	
↓	↓	
Vocabulary: Handling Restraining Herbivore Monogastric Cecum Limit Feed Full Feed	Vocabulary: Sanitation Conjunctivitis Snuffles Pasteurellosis Pneumonia Ear Mange Coccidiosis	

Additional Information/Resources:

EASTERN LEBANON COUNTY SCHOOL DISTRICT
STUDENT LEARNING MAP

Course/Subject: Companion Animals
Topic: Genetics
Days: 17-37

Grade Level: 10-12

Key Learning: Students will understand the basics of genetic inheritance in animals.



Unit Essential Question: How are genetics applied in agriculture?

Concept: Genetics 101	Concept: Punnett Squares	Concept: Exceptions
Standards:	Standards:	Standards:
↓	↓	↓
Lesson Essential Question: What are the basic fundamentals to genetics and how were they discovered?	Lesson Essential Question: How can Punnett Squares be used to predict genetic outcomes? Are they reliable?	Lesson Essential Question: What exceptions can occur to Mendel's theories?
↓	↓	↓
Vocabulary: Gregor Mendel Trait Allele Gene Chromosome DNA Adenine & Guanine Cytosine & Thymine Inheritance Gametes Principle of Dominance Recessive Probability	Vocabulary: Punnett Square Parental generation Purebred F1 F2 Homozygous Heterozygous Phenotype Genotype	Vocabulary: Incomplete Dominance Codominance Gene linkage Polygenetic traits Sex-linked traits Sex-influenced traits

EASTERN LEBANON COUNTY SCHOOL DISTRICT
STUDENT LEARNING MAP

Principle of Independent assortment		
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Concept: Genetics in Agriculture	Concept: Genetics Gone Bad	Concept: Hot Topics
Standards:	Standards:	Standards:
↓	↓	↓
Lesson Essential Question: How are these genetic principles used in today's agriculture?	Lesson Essential Question: What can affect the outcome of genetics?	Lesson Essential Question: Why are there hot topics surrounding genetics?
↓	↓	↓
Vocabulary: Selection Progeny Tandem Breeding Independent Culling Selection Index Random Mating Outcrossing Inbreeding Linebreeding Crossbreeding Hybrid Vigor	Vocabulary: Mutation Lethal Mutation Sublethal Mutation Beneficial Mutation Abnormality	Vocabulary Genetic Engineering GMO (Genetically Modified Organism Disease resistance Immunology

Additional Information/Resources:
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EASTERN LEBANON COUNTY SCHOOL DISTRICT
STUDENT LEARNING MAP

Course/Subject: Companion Animals

Grade Level: 10-12

Topic: Horses

Days: 38-58

Key Learning: Students will learn the basics of raising healthy horses.



Unit Essential Question: How do I raise a healthy horse?

Concept: Horse Evolution & History	Concept: Horse Vocabulary	Concept: Horse Classification
Standards:	Standards:	Standards:
↓	↓	↓
Lesson Essential Question: How have horses evolved? How did our ancestors use horses? What other animals are horses related to?	Lesson Essential Question: How can I sound intelligent when talking about horses?	Lesson Essential Question: How are horses classified?
↓	↓	↓
Vocabulary: Mythology Unicorn Pegasus Centaur Trojan Horse Stone Age Middle Ages Feral	Vocabulary: Equine Mare Foal Colt Filly Foal Stallion Gelding Maiden Mare Barren or Open Mare Wet Mare	Vocabulary: Breed Foundation Sire Hand Withers Light Draft Pony Warmblood Coldblood Minature Rare Breed

EASTERN LEBANON COUNTY SCHOOL DISTRICT
STUDENT LEARNING MAP

	Yearling Two year old Jack Jenny Mule Hinny Horse Body Parts	Critical Breed
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Concept: Horse Identification	Concept: Reproduction	Concept: Horse Management
Standards:	Standards:	Standards:
↓	↓	↓
Lesson Essential Question: How and Why are horses identified?	Lesson Essential Question: How do horses reproduce?	Lesson Essential Question: How do I raise a healthy horse?
↓	↓	↓
Vocabulary: Horse Transport Card Markings Hair Whorls Cowlick Chestnut Dimple Star Strip Stripe Snip Blaze Bald Sock/Anklet Boot Stocking Half Stocking Ermine Spots Pastern Coronet	Vocabulary: Seasonal Polyestrous Estrous Gestation Artificial Insemination Pasture Mating Hand Mating	Vocabulary Ailment Immunization Vaccination Biting Fly Botfly External/Internal Parasite Prevention Large & Small Strongyles Ascarid Pinworm Sleeping Sickness West Nile Virus Fecal Examination Monogastric Caecum Roughage Coffin Bone Sole White Line Toe Quarter Heel

EASTERN LEBANON COUNTY SCHOOL DISTRICT
STUDENT LEARNING MAP

		Wall Bars Frog Farrier Gait Ventilation
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Additional Information/Resources:

EASTERN LEBANON COUNTY SCHOOL DISTRICT
STUDENT LEARNING MAP

Course/Subject: Companion Animals

Grade Level: 10-12

Topic: Dogs

Days: 59-75

Key Learning: Students will learn the basics of canine care.







Unit Essential Question: How do I raise a healthy dog?

Concept: Dog History	Concept: Dog Selection	Concept: Dog Care
Standards:	Standards:	Standards:
↓	↓	↓
Lesson Essential Question: How did dogs become pets? What have dogs been used for and what are they used for today?	Lesson Essential Question: How do you pick the right dog for you?	Lesson Essential Question: How do I keep my dog healthy?
↓	↓	↓
Vocabulary: Domestication Companionship Selective Breeding Hybrid Mutt	Vocabulary: Temperament Puppy Mill/Factory	Vocabulary: Clipping Vaccine Parasite Control Urination Defecation Consumption Quick Dewclaw Stypic Powder Matting Burr Synthetic

EASTERN LEBANON COUNTY SCHOOL DISTRICT
STUDENT LEARNING MAP

		Periodontal Disease Marking Instinctive Behavior Social Behavior Positive Reinforcement Redirect Aggressive Submissive Coprophagy Pica Carnivore
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Concept: Dog Reproduction	Concept: Common Dog Ailments	
Standards:	Standards:	
		
Lesson Essential Question: How do dogs reproduce?	Lesson Essential Question: What diseases are common in our area and how can we prevent or treat them?	
		
Vocabulary: Nonseasonal Spontaneous Ovulate Puberty Whelping Castration Spaying	Vocabulary: Labored breathing Lameness Paralysis Vaccination Infectious Disease Noninfectious disease Internal/External Parasite	

Additional Information/Resources:
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EASTERN LEBANON COUNTY SCHOOL DISTRICT
STUDENT LEARNING MAP

Course/Subject: Companion Animals

Grade Level: 10-12

Topic: Cats

Days: 76-88

Key Learning: Students will learn the basics of feline care.



Unit Essential Question: How do I raise a healthy cat?

Concept: Cat History	Concept: Cat Care	Concept: Cat Reproduction
Standards:	Standards:	Standards:
↓	↓	↓
Lesson Essential Question: How did Cats become pets? How are cats classified? What makes cats unique?	Lesson Essential Question: How do I keep my cat safe & healthy?	Lesson Essential Question: How do dogs reproduce?
↓	↓	↓
Vocabulary: Domestication Solitary Retractable Cat Fanciers' Association	Vocabulary: Enrichment Predator Soiled Sequester Spraying Scratching Post Grooming	Vocabulary: Tom Queen Yowl Heat Induced Ovulator Parturition Litter Lactation Colostrum Immunity Castration Spaying

EASTERN LEBANON COUNTY SCHOOL DISTRICT
STUDENT LEARNING MAP

Concept: Common Cat Ailments	Concept: Cat Dissection
Standards:	Standards:
↓	↓
Lesson Essential Question: What diseases are common in our area and how can we prevent or treat them?	Lesson Essential Question: Why is it useful to science to dissect Animals?
↓	↓
Vocabulary: Fatal Infectious Disease Noninfectious disease Internal & External Parasite	Vocabulary: Scientific Classification Longitudinal axis: Cranial (anterior) Caudal (posterior) Dorsoventral: Dorsal (superior) Ventral (Inferior) Transverse axis: Lateral Medial Proximal Distal Planes & Sections: Transverse (cross-section) Frontal (horizontal) Sagittal Respiratory System & Parts Circulatory System & Parts Digestive System & Parts Urogenital System & Parts Mesentery Membrane Nervous System Sensory Organ
Additional Information/Resources:	