

Parents,

It's hard to believe we are looking at summer right in front of us. The school years seem to go by more quickly each year. We would like to take a moment to thank you for entrusting us with your children. We love and care for them and value your family's commitment to Clarksville Academy.

As part of our commitment to being intentional and providing the highest standard, content area teachers and administrators have been communicating about the summer learning work required of each student. Throughout our discussions, we revisited the reasons why we engage students in summer learning. Research shows that 'academic slide' during the summer months can have a significant negative impact on a student's learning and skill retention. Oftentimes, the reason behind this is a lack of access to consistent academic stimulation. Keeping students engaged in math and reading can be especially beneficial in preventing deep learning loss.

As your child's academic team, and with this research in mind, we have worked to find sound ways to keep your child engaged in math and reading over the summer. We have used data collected from Milestone testing, classroom observations and assessments, teacher collaboration, and CTP-5 to determine which skills would be most beneficial for review. We also considered ways to bring real-world and critical thinking concepts into summer learning.

Please see the required summer assignments in math and reading below.

Summer Reading Project Directions:

Each student will choose one book from a teacher-approved reading list provided in class. Students will also select a "reading buddy" from their classmates to create a mini-book club experience over the summer. Reading buddies are encouraged to communicate occasionally to discuss the book, share thoughts, ask questions, and encourage one another as they read. When students return to school in the fall, they will use what they learned from the book to create an engaging book/movie trailer project that highlights the characters, plot, themes, and important moments from their reading. We hope this project helps students build excitement for reading while staying connected with classmates over the summer break.

Book list:

The Lemonade Wars by Jacqueline Davies

The Watsons Go to Birmingham by Christopher Paul Curtis

Freak the Mighty by Rodman Philbrick

All Thirteen: The Incredible Cave Rescue of the Thai Boys' Soccer Team By Christina Soontornvat

The Misfits: A Royal Conundrum by Lisa Yee

Restart by Gordon Korman

Maniac Magee by Jerry Spinelli

Fish in a Tree by Lynda Mullany Hunt

Math Summer Project

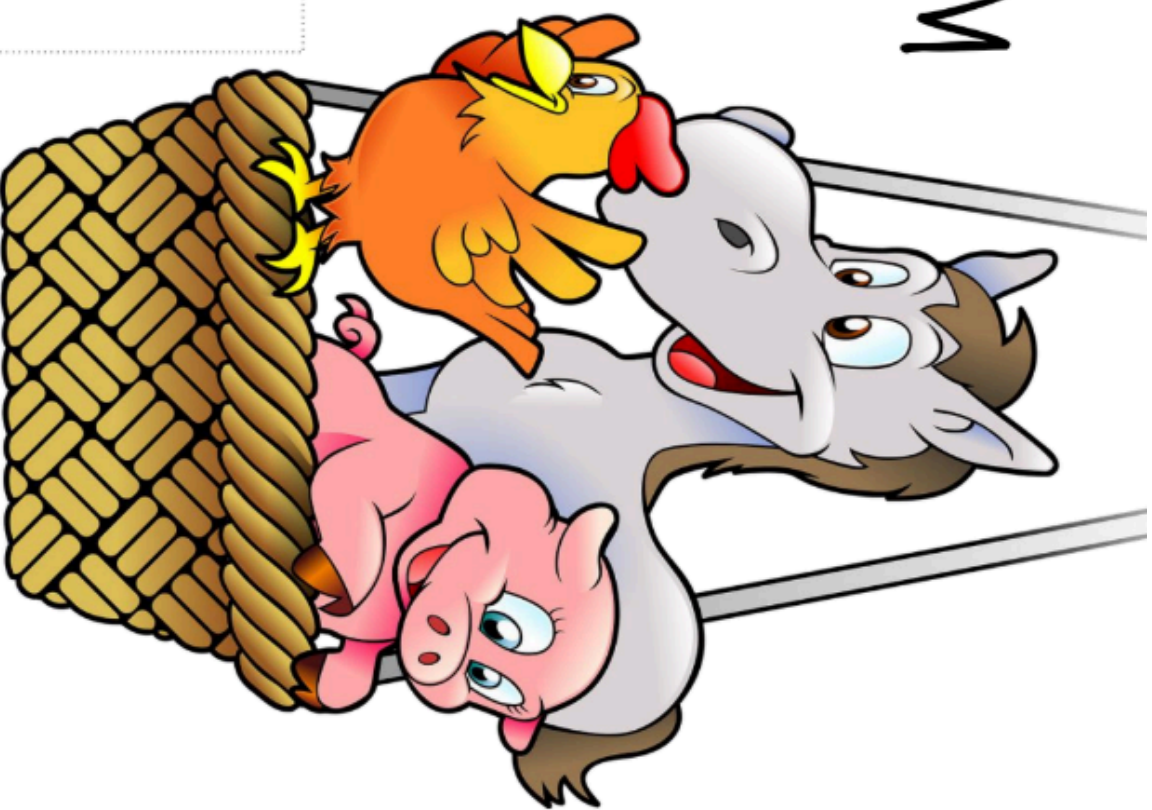
Students will use their math skills to create their own farm. They will consider the land area animals and crops need, how much items like fencing cost, how much animals and crops bring when sold at the market, and more. Students will complete a farm layout on graph paper detailing the locations of animals and crops, along with a budget form and a profit statement.

CREATE YOUR OWN FARM

YOUR BUDGET: \$5 000

FARM NAME

...



DIRECTIONS

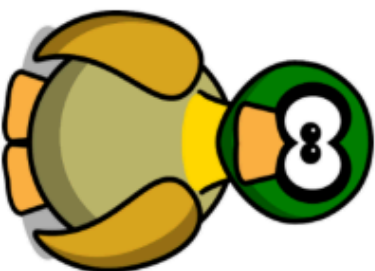
- CREATE YOUR FARM NAME (PAGE 1).
- CHOOSE ANIMALS (PAGE 3) AND CROPS (PAGE 4) FOR YOUR FARM. YOU HAVE TO BASE THIS ON THE SPACE REQUIREMENTS CHART (PAGE 5), AVAILABLE SPACE (PAGE 8), AND YOU CAN'T GO OVER THE BUDGET (PAGE 1).
- USE TWO TABLES TO PLAN YOUR BUDGET (PAGES 6 AND 7). ADD UP THE PRICE OF ANIMALS, THE PRICE OF THE ANIMALS FARM FENCE, THE PRICE OF CROPS, AND THE PRICE OF THE CROPS FARM FENCE. TRY TO USE AS MUCH OF YOUR BUDGET AS POSSIBLE IN ORDER TO HAVE THE HIGHEST PROFITS.
- CALCULATE YOUR EXPENSES AFTER ONE SEASON AND CHECK WHAT YOU CAN SELL ON THE MARKET (PAGES 9 AND 10).
- SELL ALL YOUR GOODS ON THE MARKET (PAGE 13). USE THE PRICE LIST ON PAGES 11 AND 12.
- CALCULATE YOUR FINAL PROFIT (PAGE 14).

THE ANIMALS

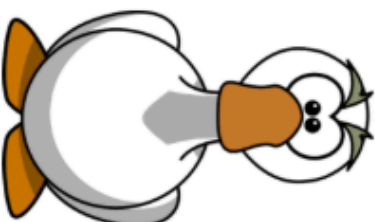
(EACH PRICE IS PER INDIVIDUAL ANIMAL)



HEN \$11



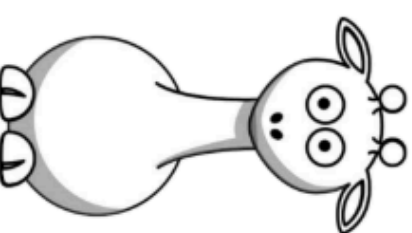
DUCK \$22



GOOSE \$30



TURKEY \$16



ALPACA \$980



PIG \$130



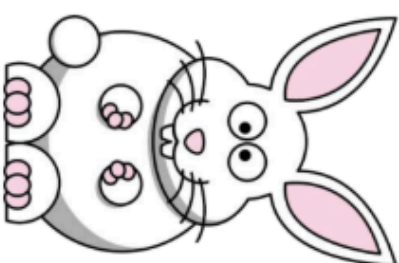
GOAT \$280



COW \$240



HORSE \$720



RABBIT \$19

THE CROPS

(EACH PRICE IS PER ONE PACKET OF SEEDS OR SEEDLINGS)



CARROTS \$2



CORN \$4



GRASS \$1



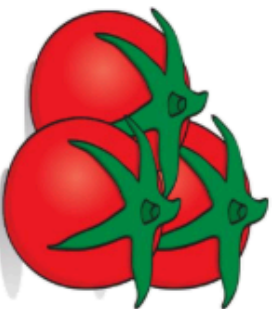
WHEAT \$10



POTATOES \$3



CABBAGE \$2



TOMATOES \$5



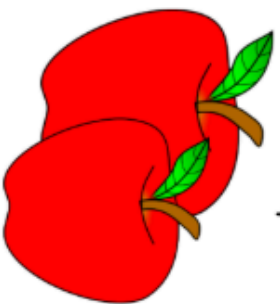
ONIONS \$1



CUCUMBERS \$3



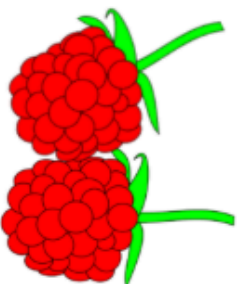
PUMPKINS \$2



APPLES \$6



STRAWBERRIES \$8



RASPBERRIES \$9



PEARS \$4



GRAPES \$7

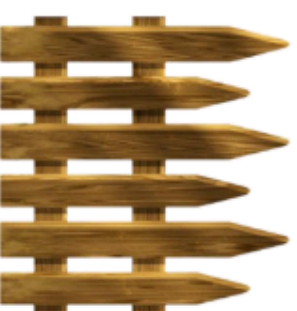
SPACE REQUIREMENTS CHART

FOR EXAMPLE, IF ONE HEN REQUIRES 5 SQUARE UNITS, THEN TWO HENS WILL REQUIRE 10 SQ. UNITS.

| ANIMAL | AREA (SQ. UNITS) *PER INDIVIDUAL ANIMAL |
|--------|--|
| HEN | 5 |
| DUCK | 3 |
| GOOSE | 4 |
| TURKEY | 7 |
| ALPACA | 20 |
| PIG | 10 |
| GOAT | 15 |
| COW | 17 |
| HORSE | 25 |
| RABBIT | 2 |

| CROP | AREA (SQ. UNITS) *PER ONE PACKET |
|-----------|-------------------------------------|
| CARROTS | 5 |
| CORN | 8 |
| GRASS | 15 |
| WHEAT | 30 |
| POTATOES | 10 |
| CABBAGE | 6 |
| TOMATOES | 5 |
| ONION | 4 |
| CUCUMBERS | 6 |
| PUMPKINS | 7 |

| CROP | AREA (SQ. UNITS) *PER ONE PACKET |
|--------------|-------------------------------------|
| APPLES | 3 |
| STRAWBERRIES | 9 |
| RASPBERRIES | 4 |
| PEARS | 3 |
| GRAPES | 2 |



FENCING \$7 PER UNIT

CHOOSE YOUR ANIMALS AND CROPS

CHOOSE ANIMALS AND CROPS FOR YOUR FARM NOT TO EXCEED THE BUDGET AND FARM SPACE. YOU HAVE TO CHOOSE AT LEAST 3 DIFFERENT ANIMALS AND 4 CROPS. EACH ANIMAL/CROP NEEDS A SPECIFIC AMOUNT OF SPACE AS SHOWN IN THE SPACE REQUIREMENTS CHART. ALSO, CALCULATE THE COST OF THE FENCING TO PROTECT YOUR ANIMALS/CROPS. USE PAGE 8 TO DESIGN YOUR FARM. USE THE FOLLOWING TABLE TO PLAN YOUR BUDGET (TWO PAGES).

| ANIMAL | QUANTITY | TOTAL PRICE OF ANIMALS (\$) | TOTAL SPACE NEEDED (SQ. UNITS) | FENCE PERIMETER (UNITS) | TOTAL PRICE OF THE FENCE (\$) |
|-----------------------------|----------|-----------------------------|--|-------------------------|-------------------------------|
| HEN | | | | | |
| DUCK | | | | | |
| GOOSE | | | | | |
| TURKEY | | | | | |
| ALPACA | | | | | |
| PIG | | | | | |
| GOAT | | | | | |
| COW | | | | | |
| HORSE | | | | | |
| RABBIT | | | | | |
| TOTAL PRICE OF ALL ANIMALS: | | \$ | TOTAL PRICE OF THE ANIMALS FARM FENCE: | | \$ |

| CROP | THE NUMBER OF PACKETS | TOTAL PRICE OF CROPS (\$) | TOTAL SPACE NEEDED (SQ. UNITS) | FENCE PERIMETER (UNITS) | TOTAL PRICE OF THE CROPS FARM FENCE (\$) |
|----------------------------------|-----------------------|---------------------------|--|-------------------------|--|
| CARROTS | | | | | |
| CORN | | | | | |
| GRASS | | | | | |
| WHEAT | | | | | |
| POTATOES | | | | | |
| CABBAGE | | | | | |
| TOMATOES | | | | | |
| ONION | | | | | |
| CUCUMBERS | | | | | |
| PUMPKINS | | | | | |
| APPLES | | | | | |
| STRAWBERRIES | | | | | |
| RASPBERRIES | | | | | |
| PEARS | | | | | |
| GRAPES | | | | | |
| TOTAL PRICE OF ALL CROPS: | | \$ | TOTAL EXPENSES (price of animals + price of the animals farm fence + price of crops + price of the crops farm fence): | | |
| | | | | | \$ |

GOODS FOR SALE AND EXPENSES PER ONE SEASON

CALCULATE YOUR EXPENSES AFTER ONE SEASON AND CHECK WHAT YOU CAN SELL ON THE MARKET. USE THE TABLE BELOW TO CALCULATE (TWO PAGES).

| ANIMAL | FOOD EXPENSES (\$) *PER INDIVIDUAL ANIMAL | TOTAL FOOD EXPENSES (\$) | WATER EXPENSES (\$) *PER INDIVIDUAL ANIMAL | TOTAL WATER EXPENSES (\$) | GOODS FOR SALE *PER INDIVIDUAL ANIMAL | TOTAL NUMBER OF GOODS FOR SALE |
|-------------------------------------|---|--------------------------|--|---------------------------|---------------------------------------|--------------------------------|
| HEN | 10 | | 5 | | 200 EGGS | |
| DUCK | 11 | | 6 | | 120 EGGS | |
| GOOSE | 9 | | 4 | | 60 EGGS | |
| TURKEY | 8 | | 4 | | 45 EGGS | |
| ALPACA | 22 | | 10 | | 9 LB OF WOOL | |
| PIG | 14 | | 9 | | 150 LB OF PORK | |
| GOAT | 18 | | 8 | | 200 BOTTLES OF GOAT MILK | |
| COW | 20 | | 12 | | 450 BOTTLES OF COW MILK | |
| HORSE | 45 | | 15 | | 90 HORSE RIDING LESSONS | |
| RABBIT | 8 | | 4 | | 10 LB OF RABBIT MEAT | |
| TOTAL FOOD EXPENSES ON ALL ANIMALS: | | \$ | TOTAL WATER EXPENSES ON ALL ANIMALS: | | \$ | |

| CROP | FERTILIZING EXPENSES (\$) *PER ONE PACKET | TOTAL FERTILIZING EXPENSES (\$) | WATERING EXPENSES (\$) *PER ONE PACKET | TOTAL WATERING EXPENSES (\$) | GOODS FOR SALE *PER ONE PACKET | TOTAL NUMBER OF GOODS FOR SALE |
|--|---|---------------------------------|--|------------------------------|--------------------------------|--------------------------------|
| CARROTS | 4 | | 6 | | 60 BAGS | |
| CORN | 12 | | 6 | | 80 BAGS | |
| GRASS | 2 | | 2 | | 8 HAY BALES | |
| WHEAT | 40 | | 10 | | 200 BAGS | |
| POTATOES | 10 | | 8 | | 300 BAGS | |
| CABBAGE | 2 | | 5 | | 90 BAGS | |
| TOMATOES | 20 | | 12 | | 100 BAGS | |
| ONION | 4 | | 5 | | 36 BAGS | |
| CUCUMBERS | 15 | | 11 | | 70 BAGS | |
| PUMPKINS | 8 | | 10 | | 85 BAGS | |
| APPLES | 9 | | 7 | | 150 BAGS | |
| STRAWBERRIES | 22 | | 15 | | 400 BAGS | |
| RASPBERRIES | 13 | | 14 | | 200 BAGS | |
| PEARS | 9 | | 7 | | 130 BAGS | |
| GRAPE | 6 | | 12 | | 170 BAGS | |
| TOTAL FERTILIZING EXPENSES ON ALL CROPS: | | \$ | TOTAL WATERING EXPENSES ON ALL CROPS: | | \$ | |

PRICE LIST ON THE MARKET

(EACH PRICE IS PER ONE PRE-PACKAGED BAG)



CARROTS \$3



STRAWBERRIES \$7



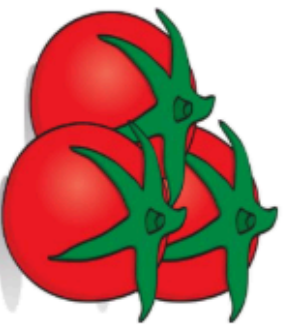
CUCUMBERS \$3



POTATOES \$1



CABBAGE \$2



TOMATOES \$5



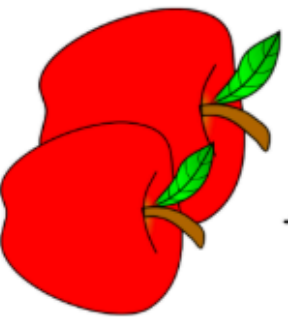
ONIONS \$3



WHEAT \$9



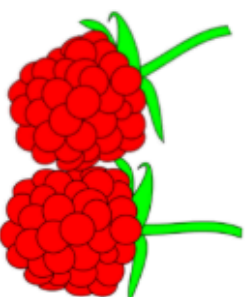
PUMPKINS \$6



APPLES \$3



CORN \$4



RASPBERRIES \$8



PEARS \$3

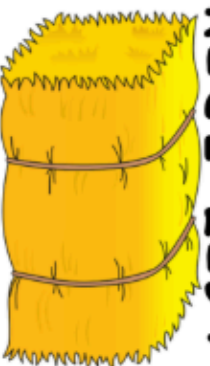


GRAPES \$5

PRICE LIST ON THE MARKET



ALPACA WOOL \$150 LB.



HAY BALE \$25 EA.



PORK \$4 LB.



HORSE RIDING LESSON
\$95 EA.



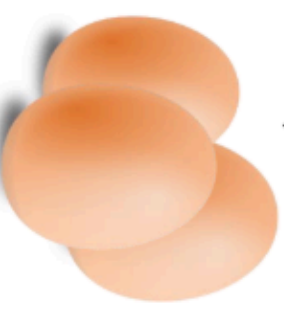
BOTTLE OF GOAT MILK
\$5 EA.



DUCK EGG \$2 EA.



GOOSE EGG \$3 EA.



CHICKEN EGG \$1 EA.



BOTTLE OF COW MILK
\$2 EA.



RABBIT MEAT \$9 LB.



TURKEY EGG \$4 EA.

GO TO THE MARKET TO SELL YOUR GOODS

| ITEM | SOLD QUANTITY | TOTAL AMOUNT EARNED (\$) |
|----------------------|---------------|--------------------------|
| DUCK EGG | | |
| CHICKEN EGG | | |
| GOOSE EGG | | |
| TURKEY EGG | | |
| ALPACA WOOL | | |
| PORK | | |
| GOAT MILK | | |
| COW MILK | | |
| HORSE RIDING LESSONS | | |
| RABBIT MEAT | | |
| CARROTS | | |
| CORN | | |
| HAY BALE | | |

| ITEM | SOLD QUANTITY | TOTAL AMOUNT EARNED (\$) |
|---------------|---------------|--------------------------|
| POTATOES | | |
| CABBAGE | | |
| TOMATOES | | |
| ONION | | |
| CUCUMBERS | | |
| PUMPKINS | | |
| APPLES | | |
| STRAWBERRIES | | |
| RASPBERRIES | | |
| PEARS | | |
| GRAPES | | |
| WHEAT | | |
| TOTAL: | | \$ |

AFTER ONE SEASON . . .

CALCULATE YOUR PROFIT AFTER ONE SEASON AND CHECK HOW MUCH MONEY YOU HAVE. USE THE TABLE BELOW TO CALCULATE.

| | |
|--|-----------|
| 1. BUDGET LEFT: | \$ |
| 2. TOTAL MONEY EARNED IN THE MARKET: | \$ |
| 3. TOTAL MONEY (ADD UP VALUES IN POINTS 1 AND 2): | \$ |
| | |
| 4. TOTAL FOOD EXPENSES ON ALL ANIMALS: | \$ |
| 5. TOTAL WATER EXPENSES ON ALL ANIMALS: | \$ |
| 6. TOTAL FERTILIZING EXPENSES ON ALL CROPS: | \$ |
| 7. TOTAL WATERING EXPENSES ON ALL CROPS: | \$ |
| 8. TOTAL EXPENSES (ADD UP VALUES IN POINTS 4, 5, 6, AND 7): | \$ |
| | |
| <u>YOUR MONEY AFTER ONE SEASON (SUBTRACT VALUE IN POINT 8 FROM POINT 3):</u> | \$ |