

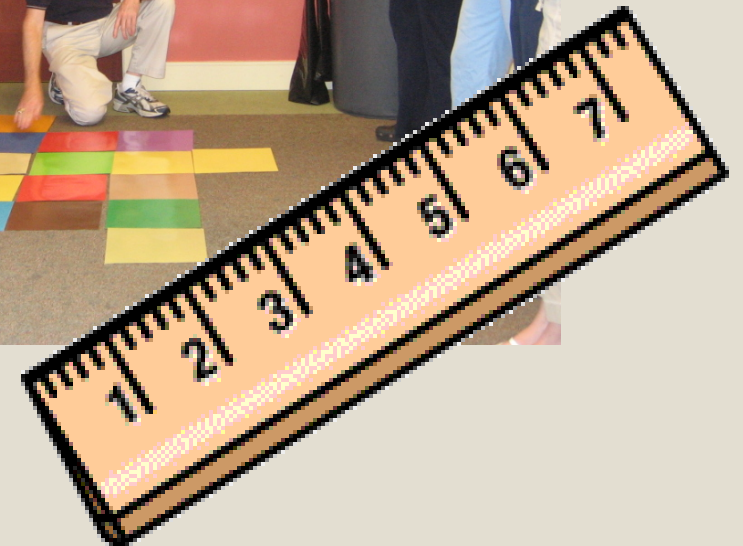
AGRICULTURE MEASURES UP!

Presented by Virginia Agriculture in the Classroom



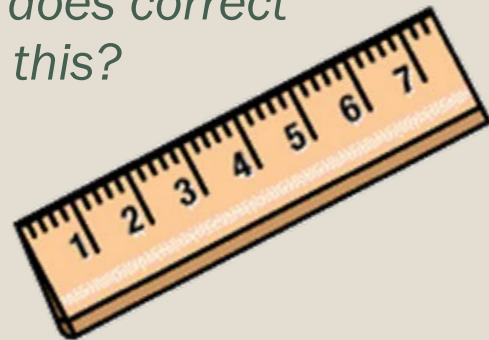
Using the Garden to Understand Area and Perimeter

- Use 12 inch square, laminated pieces of construction paper to have students “plant their garden.”
- Determine area and perimeter and apply to real-world situations.
 - *How much fencing supplies should I buy? How much will it cost? Is this the most cost effective layout to my garden?*
- Using the squares demonstrate how perimeter can be manipulated without changing the area.



Taking it Further: Apply Measurement Skills to Seed Planting

- Add images from seed packs (www.edhumeseds.com) along with planting instructions to your squares and have students determine how the seeds should be planted within each square.
- Incorporate science concepts:
 - *What do plants need in order to grow? How does correct spacing affect this?*



Carrots – 16 plants per square foot



Beans – 4 plants per square foot

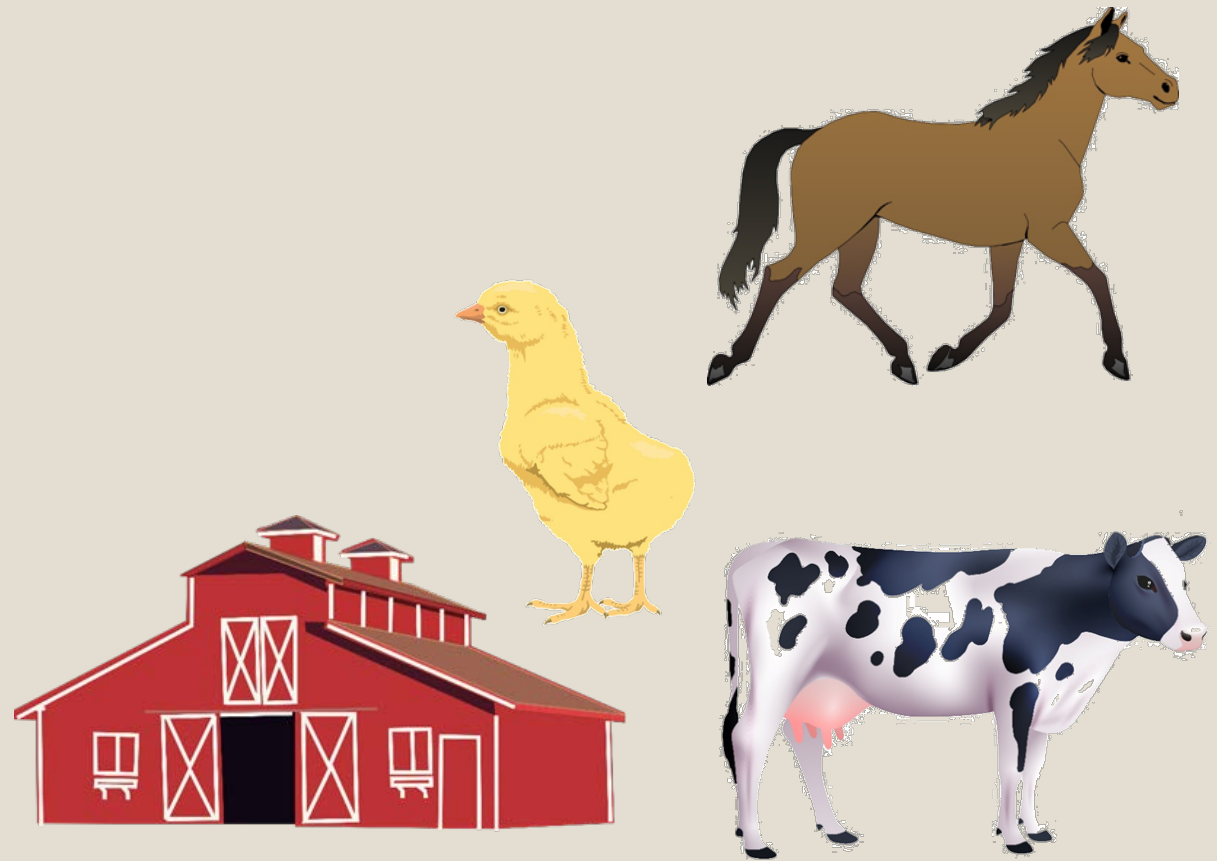
EXTEND AND APPLY

Problem-Based Learning Activity

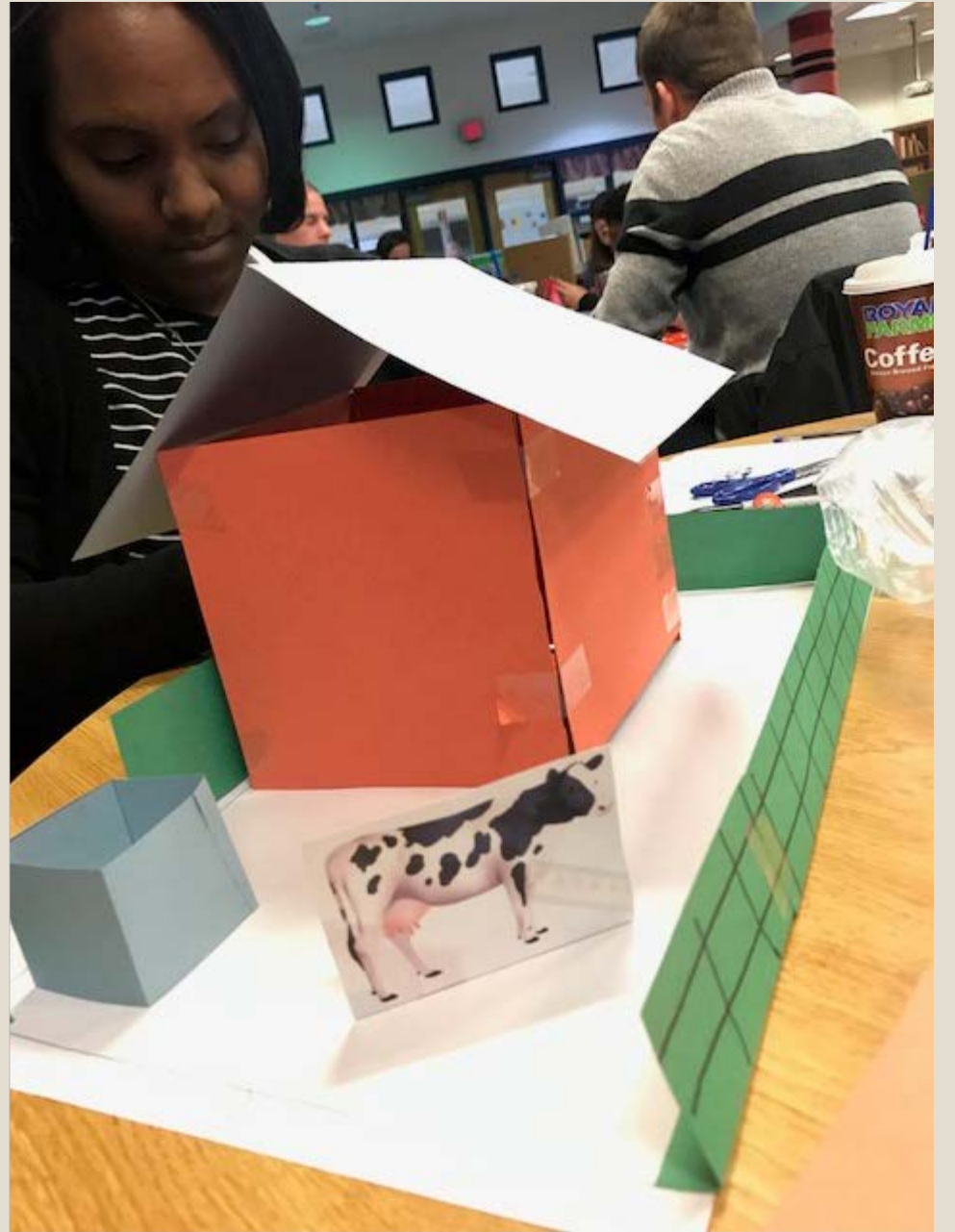


Become an Agricultural Engineer

- Students will apply what they learned about measurement and perimeter to design a farm for an assigned type of livestock.
- When designing, students must take into account the needs and requirements of their animal.
- After designing their blueprint, students will construct 3-D models.









VIRGINIA AGRICULTURE IN THE CLASSROOM

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