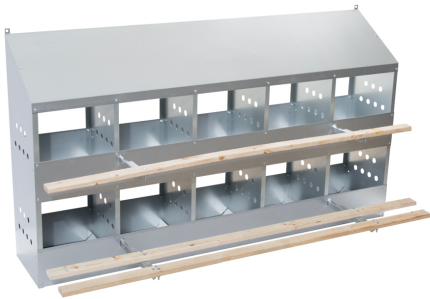


Blacksmith for a Day

Example scenarios are listed below for students to experience producing goods that meet the needs of local farmers. Pictures and examples can be shown to students beforehand, or not at all to encourage creativity and originality. Discuss with students the consumers in each scenario and what they're in need of.

1. A nesting box is where hens lay eggs. A local farmer in your community raises chickens and sells eggs to community members. His current nesting boxes are old and he is in need of a new place for his hens to lay eggs. Only one hen should be able to fit in each nesting box. He would like 3 new nesting boxes for his hens.



2. The apple orchard in town is in need of a new cart. The current cart at this orchard has a bad wheel and the employees can no longer pull it to each of the trees. The employees would like a new cart that can carry many apples, but is not too big for someone to pull by hand.
3. Your family grows a variety of vegetables in the garden that are sold at the local farmer's market. Your father would like a new shelf for the farmer's market that can display corn, tomatoes, peas, and squash. Can you build a sturdy shelf that can hold and display all of these vegetables for customers?
4. The local cattle farmer has a water trough that he uses in his pasture. It has a hole in it and can no longer hold any water. Can you produce a new steel water trough for him that many cows can drink out of at the same time?

5. Many blacksmiths make horseshoes that fit perfectly on the hoof of a horse. All horses have hooves that are different shapes and sizes. Your friend needs a horseshoe the same size as the one below. Can you produce a horseshoe the same size that will fit his horse? (Print out copies of the horseshoe below for students to practice sizing their own horseshoes.)

