

A BRIEF DESCRIPTION OF TWO AGRISCIENCE PROGRAMS IN THE SOUTH REGION

Lowndes County

The Lowndes County agricultural education department offers 2 blocks of agriscience daily, which are taught by Dr. James Corbett. The courses are Basic Agriscience and Animal Agriscience. Herren's text The Science of Agriculture is used to guide the instruction.

Aquaculture is a large component of the curriculum, with feed studies done largely on the *Tilapia, Spp.* grown in the recirculating tank in the classroom. At present, the curriculum centers on the use of the scientific method in research and writing.

Included below are pictures of the Lowndes County facilities:



A shot of the entire agriscience lab facility



Shown above is a laptop docking station attached to a projector.



The Tilapia can be seen in this picture

Ware Magnet

The Ware County Agricultural Magnet School utilizes a diverse curriculum for agriscience instruction. Agriscience is taught each year with the curriculum aligned as follows:

- 9th grade – Plant science and Soils
Animal Science and Food Science
- 10th grade – Forestry Science
- 11th grade – One semester of horticulture
One semester of aquaculture

Aquaculture and horticulture facilities 90'x30' greenhouse structures. The aquaculture house has five recirculating tanks as well as a small pond of the approximate dimension of 60' x 40'. The greenhouse is used for various plant studies. Below are pictures of the Ware Magnet facilities:



The latest teaching technologies are used in the classroom.



Shown here is the teacher's desk. A *Palm Pilot* docking station which networks it with the PC is shown, though not clearly visible in this picture. The instructor, Lynn Barber, utilizes an *Excel* program with the *Palm Pilot* to take grades on the students while in laboratory areas.



Two low-cost poly greenhouses were purchased from a local farmer.



Hydroponics facilities were made from house gutters. Various lettuce varieties are grown in this low-cost, student-made hydroponics equipment.



This upright hydroponics water device utilizes PVC stands. Hanging vegetables such as cucumbers and squash are grown in these.



Recirculating tanks for aquaculture.



This small pond is used to grow catfish and some Koi. Baitfish (minnows) are also grown here to supplement the feeding program.