Webbing CTE and Agriculture

Introduction

As of 2008, less than 2% of Americans are directly employed in agriculture. However, those 2% are responsible for $216.9 billion of production. They don't do it alone. Many other industries support agriculture – keeping machinery running, designing and building farm buildings and equipment, advertising and promoting agriculture and its products, and using the material produced.

Career Clusters

The Department of Education has divided careers into 16 clusters. MCTI programs represent 10 of these clusters:

- Agriculture, Food, and Natural Resources
- Architecture and Construction
- Health Sciences
- Hospitality
- Human Services
- Information Technology
- Law and Public Safety
- Manufacturing
- Marketing
- Transportation, Distribution and Logistics

MCTI Programs

MCTI offers 22 different programs. These include:

- Auto Collision and Repair
- Automotive Technology
- Carpentry
- Computer Networking and Security
- Cosmetology
- Criminal Justice
- Culinary Arts
- Diesel Technology
- Drafting and Design
- Electrical Technology
- Electronics Technology
- Graphic Communication
- Health Professions
- Horticulture
- Hotel, Resort, and Tourism Management
- HVAC
- Marketing
- Masonry
- Outdoor Power Equipment
- Plumbing
- Precision Machining
- Welding

Assignment

In this activity you will be brainstorming ways that different CTE programs support agriculture. On the back are two possible layouts – you are welcome to come up with others. However, it needs to be organized and graphic in nature.

Under each career cluster, write in the MCTI programs that you believe apply. There is at least one program per cluster.
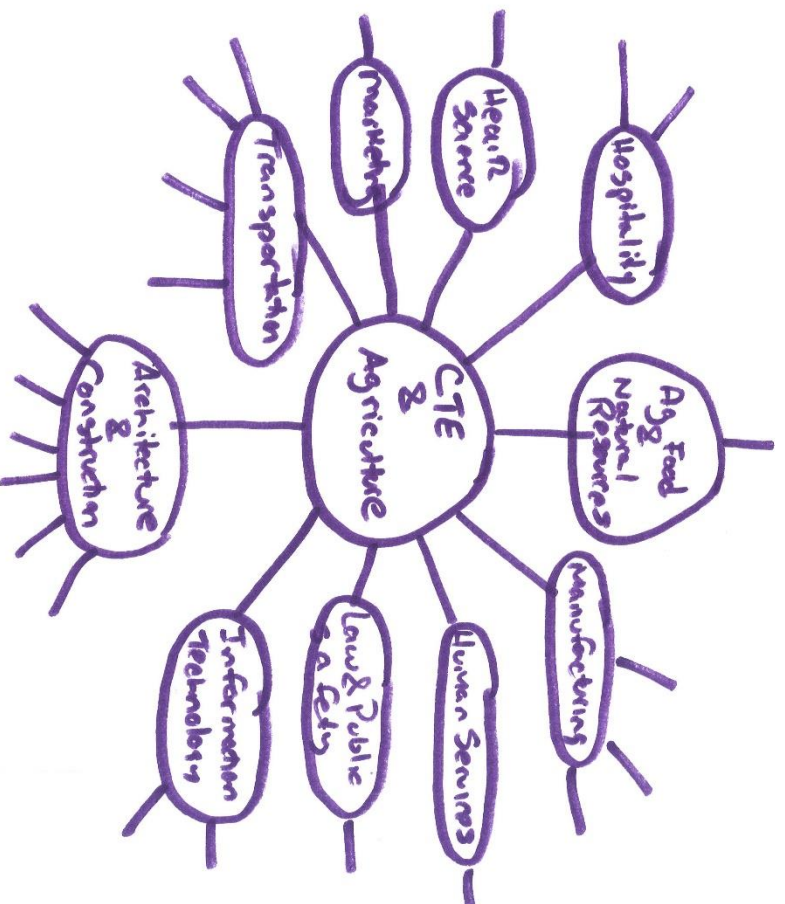
For each MCTI program, write a sentence describing how that program might support agriculture – how someone who graduates that program might find a job on a farm, in an aquaculture facility, at a food processing plant, with a landscape and garden center, etc. Be specific. A good example is "HVAC technicians maintain the freezers and refrigerators associated with packing plants". A bad example is plumbers work on farms.

For each program represented by your group, write a 5-sentence paragraph about how your program specifically supports agriculture. Be creative – there are lots of cool ways your programs are related to agriculture.

You may work in groups of 1 – 3.

There are chromebooks in the back of the room – you can use one per group to help research if you need to.

Agriculture

Left diagram (fishbone/grid organizer):

- Transportation
- Marketing
- Health Sciences
- Hospitality

CTE & Agriculture

- Architecture & Construction
- Agriculture Food & Natural Resources

- Information Technology
- Law & Public Safety
- Human Services
- Manufacturing

Right diagram (cluster/bubble map):

CTE & Agriculture (center)

- Transportation
- Marketing
- Health Science
- Hospitality
- Ag, Food & Natural Resources
- Architecture & Construction
- Information Technology
- Law & Public Safety
- Human Services
- Manufacturing