

CTE PATHWAYS



2023-2024 School Year

BUSINESS & INDUSTRY PATHWAYS



Agriculture, Food & Natural Resources Cluster

Animal Science / Veterinary Medical Assistant Pathway



BUSINESS & INDUSTRY AND/OR STEM ENDORSEMENT

RECOMMENDED

REQUIRED

Level 1

Level 2

Level 3

Level 4

Principles of Agriculture, Food
& Natural Resources
(Gr 9-10)

Small Animal Management
(Gr 10-11)
SEMESTER ONLY

Vet Med
Applications
(Gr 11-12)

Practicum in Veterinary
Medical Assistant
(Gr 12)
*Certified Veterinary Medical Assistant

- AND -

Equine Science
(Gr 10-11)
SEMESTER ONLY

- OR -

Advanced Animal Science
*4th Science Credit Option
(Gr 11-12)

- OR -

Livestock Production
(Gr 10-11)

*Industry-Based Certification Course Outcome

Applied Agriculture Engineering Pathway



BUSINESS & INDUSTRY AND/OR STEM ENDORSEMENT

RECOMMENDED

REQUIRED

Level 1

Level 2

Level 3

Level 4

**Principles of
Agriculture, Food
& Natural Resources**
(Gr 9-10)

**Agricultural
Mechanics &
Metal Technologies**
(Gr 10-11)

**Agricultural
Structures Design &
Fabrication/Lab**
(Gr 11-12)
*American Welding Society
D1.1 & D9.1

**Practicum in
Applied Agriculture
Engineering**
(Gr 12)
*American Welding Society
D1.1 & D9.1

*Industry-Based Certification Course Outcome

Environmental & Natural Resources Pathway



BUSINESS & INDUSTRY ENDORSEMENT

RECOMMENDED

REQUIRED

Level 1

Level 2

Level 3

Level 4

Principles of Agriculture, Food & Natural Resources
(Gr 9-10)

Wildlife, Fisheries & Ecology Management
(Gr 10-11)
*Hunter Safety and/or Boater Education

Energy & Natural Resources
(Gr 11-12)

Scientific Research & Design in Natural Resources
(Gr 12)

*Industry-Based Certification Course Outcome

Plant & Floral Science Pathway



BUSINESS & INDUSTRY AND/OR STEM ENDORSEMENT

RECOMMENDED

REQUIRED

Level 1

Level 2

Level 3

Level 4

Principles of Agriculture,
Food & Natural Resources
(Gr 9-10)

Floral Design
(Gr 10-12)
*Benz Principles of FD
TSFA Knowledge
Content/Level I

Advanced
Floral Design
(Gr 11-12)
*TSFA Level I

Practicum in
Horticulture &
Floral Design
(Gr 12)
*TSFA Level II

- OR -

- OR -

Horticulture
Science
(Gr 10-11)

Advanced Plant & Soil
Science
*4th Science Credit Option
(Gr 11-12)

*Industry-Based Certification Course Outcome