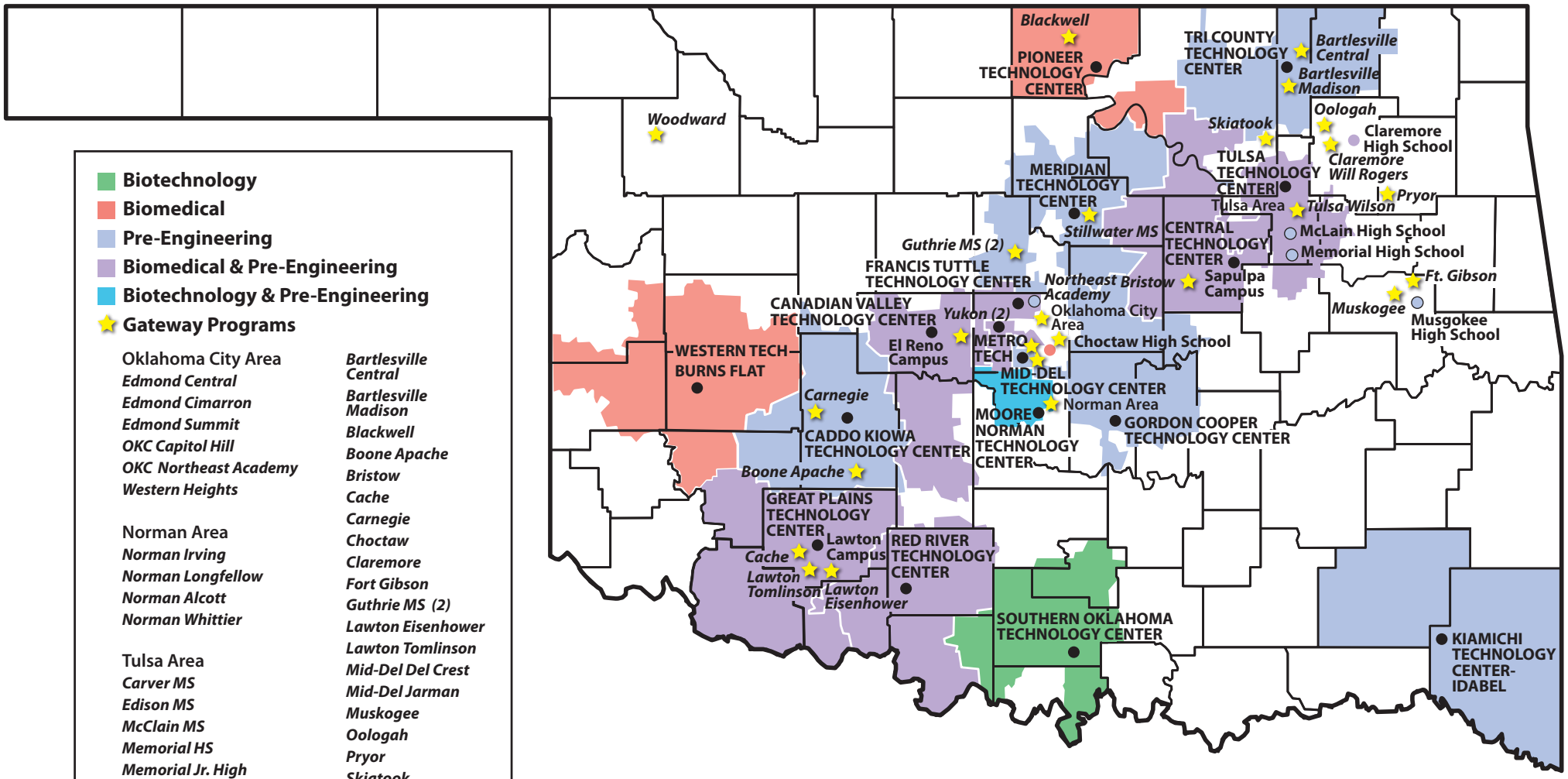
Oklahoma CareerTech STEM Education

STEM Map 2012



- Biotechnology
- Biomedical
- Pre-Engineering
- Biomedical & Pre-Engineering
- Biotechnology & Pre-Engineering
- ★ Gateway Programs

Oklahoma City Area
Edmond Central
Edmond Cimarron
Edmond Summit
OKC Capitol Hill
OKC Northeast Academy
Western Heights

Norman Area
Norman Irving
Norman Longfellow
Norman Alcott
Norman Whittier

Tulsa Area
Carver MS
Edison MS
McClain MS
Memorial HS
Memorial Jr. High
Rogers College HS
Webster Jr. High

Bartlesville Central
Bartlesville Madison
Blackwell
Boone Apache
Bristow
Cache
Carnegie
Choctaw
Claremore
Fort Gibson
Guthrie MS (2)
Lawton Eisenhower
Lawton Tomlinson
Mid-Del Del Crest
Mid-Del Jarman
Muskogee
Oologah
Pryor
Skiatook
Stillwater MS
Woodward
Yukon (2)

PROJECT LEAD THE WAY PLTW

OKLAHOMA STATE UNIVERSITY

The University of Oklahoma HEALTH SCIENCES CENTER

careertech

Introducing Students to STEM Careers . . .

OKLAHOMA CAREERTECH STEM EDUCATION

- **Pre-Engineering**—addresses the shortage of engineers. Pre-Engineering Academies include a sequence of engineering courses developed by Project Lead the Way* with strong math and science emphasis.

- **Biomedical Sciences**—prepares students for professional health and science degree programs. Biomedical Academies include a rigorous math and science course sequence developed by PLTW.

- **Biotechnology**—provides students with a strong sequence of biotechnology courses as well as two Advanced Placement science courses.

- **Gateway to Technology**—introduces middle and junior high school students to engineering careers. Using PLTW curriculum, the class combines math and sciences courses with a sequence of engineering courses to better prepare students for college.

**Project Lead The Way, Inc., is a national, non-profit organization that is the leading provider of rigorous and innovative STEM education curricular programs used in K-12 schools.*

Preparing Students for STEM Careers . . .

The Oklahoma CareerTech Science, Technology, Engineering and Mathematics Education goal:

To nurture creative students who are problem solvers, innovators, inventors, logical thinkers, strong communicators and who excel in science and mathematics.

THE OKLAHOMA CAREERTECH SYSTEM

- **Offers STEM students**
  - Rigorous course work
  - Hands-on projects
  - Laboratory experiences

- **Works with**
  - Partner schools
  - Colleges
  - Universities
  - Employers

- **Supports and grows targeted, high-skill, high-tech industries such as**
  - Aerospace
  - Advanced manufacturing
  - Biotechnology
  - Energy
  - Healthcare
  - Meteorology

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