



**Proposed School Locations
for the state of Kansas
United States of America**

August 2018

**for Silver Wolf Wushu
using SAITO software version 2.2.7.0 08/17/2018**

title page image: the official state flower is the wild native sunflower (*Helianthus annuus*) and the official nickname is “The Sunflower State”. The sunflower is also on the state quarter and the state flag. Mount Sunflower (4,039) feet is the highest natural point in the state. At one time (1890 to 1901) there was a town named Sunflower in Mitchell County. There are at least three Sunflower trails – none are very long. Most of the 70 members of the genus *Helianthus* have long been admired by geometers for embodying Fermat's spiral [$r^2 = a^2\theta$], phyllotaxis, the golden ratio and Fibonacci numbers. Now if Kansas had so featured its state amphibian, the Barred Tiger Salamander (*Ambystoma mavortium*) ...



Geography

Our SAITO software views Kansas state as a rectangle 400 miles wide (east to west) and two hundred fifty miles high (north to south). Inside SAITO we have embodied a dislike for obliging people, with or without disabilities, to travel long distances, so the size of Kansas and the seasonal severity of the weather imposes some constraints on the solution.



Although there are school districts in the United States that allow students to be transported across county and even state boundaries SAITO treats states and provinces in isolation. This means any possible schools in, for example, Moorhead in Colorado, Miles City in Nebraska, Aberdeen in Missouri, Estevan in Oklahoma and so on would be ignored.

Kansas State is home to several First Peoples administrative areas. For those populations we are not knowledgeable about the frequencies of the 1400 genes we currently find of interest. Nor do we have any knowledge about education code specifically or special needs generally for those populations.

Demographics

We believe the state population is about 2,950,000 and that it has been growing at about 1% per year. The larger cities, towns and census-defined places are

| | |
|---------------|---------|
| Wichita | 390,591 |
| Overland Park | 191,278 |

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|-------------|---------|
| Kansas City | 152,938 |
| Olathe | 137,472 |
| Topeka | 126,587 |
| Lawrence | 96,892 |
| Shawnee | 65,513 |
| Manhattan | 54,832 |
| Lenexa | 53,553 |
| Salina | 46,994 |

It has NOT been established that the medical conditions we find of interest are uniformly distributed, so Kansas could have anywhere between zero and 250,000 people with the disabilities we find of interest. We used 120,000 as a state-wide estimate. The SAITO software reduces that prevalence to compensate for people who are too remote, cannot walk, are not interested, prefer to take vitamin B-13 and so on.

For school locations the SAITO calculated recommendations are

1. Wichita – 2 schools
2. Overland Park - 1 school
3. Kansas City – 1 school
4. Olathe – 1 school
5. Topeka – 1 school
6. Lawrence - 1 school
7. Shawnee – 1 school
8. Manhattan – 1 school
9. Lenexa – 1 school
10. Salina – 1 school

Probably dependent on subscriptions

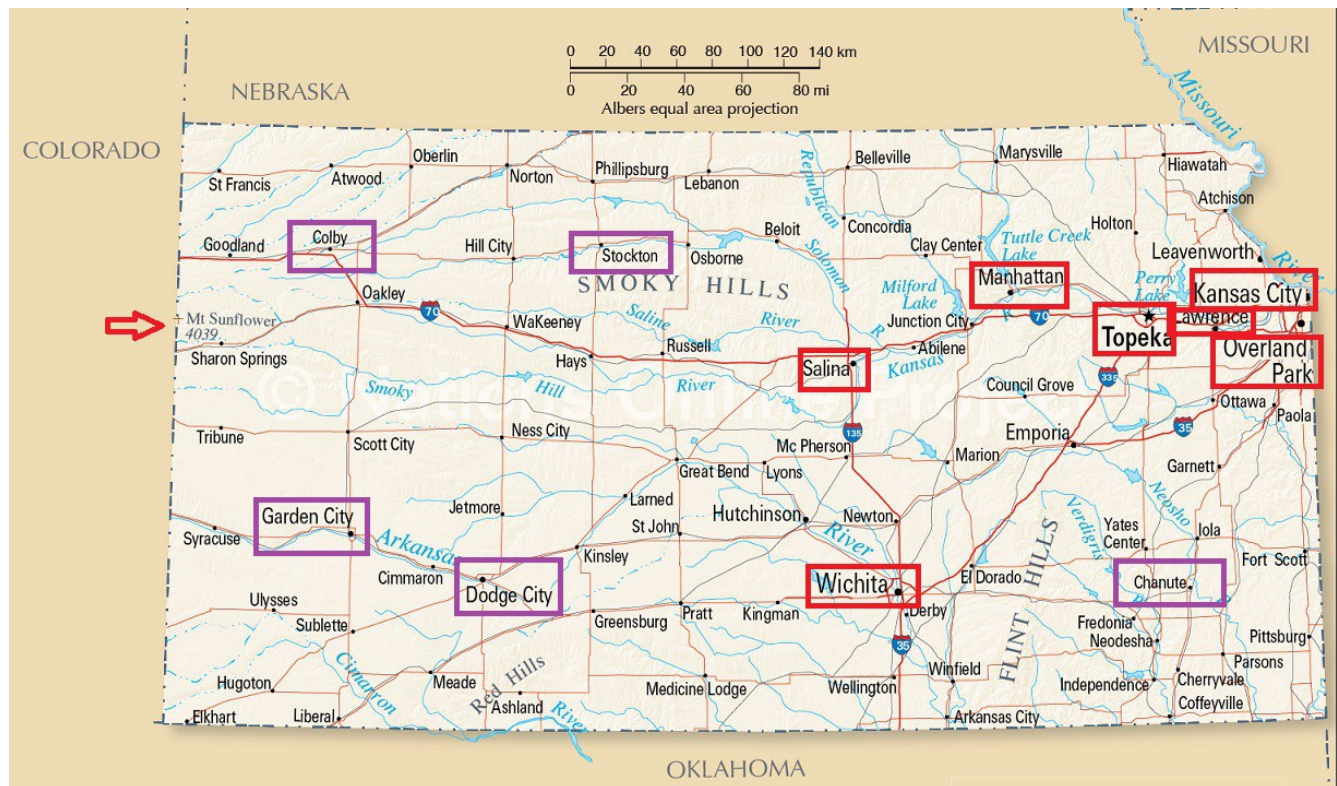
11. Garden City
12. Chanute

- 13. Stockton
- 14. Colby
- 15. Dodge City

We used the US Census (2010) data to estimate reservation populations

| | |
|--------------------------------|-------|
| Ioway | 166 |
| Kickapoo Tribe | 1,653 |
| Prairie Band Potawatomi Nation | 1,469 |
| Sac and Fox Tribe | 173 |

We are not confident about a breakdown by state for the Ioway Nation. We have no appreciation of what interest there might be in our curriculum, and we have no information about population densities on tribal lands and reservations. The SAITO results are



The two major determinants for whether a school could or should be built at a smaller town like Garden City, Colby or Chanute is whether the tuition can cover rent, utilities and a teacher's salary. If not, it is possible for students to

follow an internet broadcast from home, school or day care and send video recordings in to be graded. We would recommend daily filming and grading. Note that if the internet connection for the broadcast is interrupted the student can obtain the class video from the archives. Likewise, winter weather might delay the uploading of daily student videos so some tolerance and patience may be needed.