



**Proposed School Locations  
for the state of Kentucky  
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 state horse of Kentucky is the thoroughbred (*Equus caballus*). The thoroughbred of today was developed in 17th- and 18th-century England, when native mares were crossbred with imported Oriental stallions: all modern thoroughbreds can trace their pedigrees to three stallions. Currently, there are millions of thoroughbreds, and over 100,000 foals are registered each year worldwide. Thoroughbreds are used mainly for racing, show jumping, dressage, polo, and fox hunting.

Because thoroughbred racehorses perform with maximum exertion when racing there are relatively high accident rates and health problems such as bleeding from the lungs (also known as exercise-induced pulmonary hemorrhage). Other health concerns include low fertility, abnormally small hearts and a small hoof-to-body-mass ratio: probably 10 percent of all thoroughbreds have orthopedic problems. There is considerable debate just how genetically diverse thoroughbreds are and whether the focus on racing speed is too costly.

## **Geography**

Our SAITO software views Kentucky state as a rectangle 300 miles wide (average east to west) and one hundred miles high (average 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 Kentucky 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 also means any possible schools in, for example, Clarksville in Tennessee, Clintwood in Virginia, Sikeston in Missouri, Elizabethtown in Illinois, Evansville in Indiana, Huntington in West Virginia, Cincinnati in Ohio and so on would be ignored.

Kentucky State is home to no (zero) several First Peoples administrative areas. However, the Southern Cherokee Nation of Kentucky is or was headquartered at Henderson Kentucky. Their website [www.southerncherokeeanation.net](http://www.southerncherokeeanation.net) is no longer operational. We cannot locate an address or website for the Ridgetop Shawnee who are the only other state-recognized tribe. For any 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 4,500,000 and that it has been growing at about 1% per year. The larger cities, towns and census-defined places are

Louisville	621,349
Lexington	321,959
Bowling Green	67,067
Owensboro	59,404
Covington	40,876
Richmond	35,397
Georgetown	33,660
Florence	32,305
Hopkinsville	32,054
Nicholasville	30,553

It has NOT been established that the medical conditions we find of interest are uniformly distributed, so Kentucky could have anywhere between zero and 200,000 people with the disabilities we find of interest. We used 180,000 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. Louisville – 2 schools
2. Lexington – 1 school - includes Nicholasville
3. Bowling Green – 1 school
4. Owensboro – 1 school
5. Covington – 1 school – includes Florence
6. Richmond – 1 school
7. Georgetown – 1 school
8. Hopkinsville – 1 school
9. Nicholasville – 1 school

Probably dependent on subscriptions

10. Paintsville
11. London
12. Paducah

The SAITO results are



The major determinant for whether a school could or should be built at a smaller town like Paintsville or Paducah are 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.