











Overview: Many activities in Whyville are designed to engage students in STEM. There are life science activities within Whyville which cover topics from lab practices & processes, genetics, immunology, epidemiology, virology, biology and more.

| Whyville Location | Activity Description | Sponsors | Lab Practices & Processes | Genetics | Immunology, Epidemiology, & Virology | Biology | Special |
|-------------------|--|--|--|----------|--|---|-------------------|
| Animal CARE | Learn ethical lab practices for using animals as test subjects. Construct a healthy habitat, learn experimental design, and care for your animals. | American Association for Laboratory Animal Science (AALAS) |  | | |  | Critical thinking |
| BioPlex / CDC | Learn about the spread of viruses at the CDC. Design vaccines, receive vaccines, and make viruses at the BioPlex. | The Texas Workforce Commission |  | |  | | |
| BIOlympics | Study biomechanics by having a team of animals compete based on swimming, running, and biting. | ITW, The Field Museum, Chicago and the Denver Museum of Nature & Science | | | |  | Biomechanics |

Overview: Many activities in Whyville are designed to engage students in STEM. There are life science activities within Whyville which cover everything from lab practices & processes, genetics, immunology, epidemiology, virology, biology and more.

| Whyville Location | Activity Description | Sponsors | Lab Practices & Processes | Genetics | Immunology, Epidemiology, & Virology | Biology | Special |
|--------------------------------------|---|--|--|---|--------------------------------------|--|-------------------|
| WhyReef | Identify species on the reef . Study the health of the reef and the marine food chain. | The Field Museum |  | | |  | |
| Woods Hole Oceanographic Institution | Study the health of the ocean. Research hydrothermal vents, plankton samples, and track sharks. | The Woods Hole Oceanographic Institution (WHOI) |  | | |  | |
| Dragons | A series of genetics games where you cross breed dragons for certain traits. | The Concord Consortium and National Science Foundation | |  | | | Critical thinking |