



OBJECTIVE:

- The First blood center in the country to have an interactive “classroom on wheels”
- To provide schools within CBC’s 15 county service area an interactive classroom on wheels in conjunction with the “My Blood Your Blood Program,” a multimedia science education program for pre-school, elementary school, middle school, and high school students.

AUDIENCE:

- Pre-school Students
- Elementary School Students
- Middle School Students
- High School Students
- Parades
- Community Events

CONTACT:

If you would like to schedule the L.A.B., Please call or email
 Cristina Pickle, Education Specialist
 (937) 461-3453 • cpickle@cbccts.org

CURRICULUM:

- Blood History
- Blood Typing
- Blood Biology
- Circulation
- The Heart
- Blood Donation

EXPERIENCE:

Your students will be greeted at the door by Karl Landsteiner, the first to discover blood typing. As they move into the interior of the L.A.B., they hear a thumping heart beat. The first display takes them back in history when the scientific foundation of modern transfusion medicine was laid by Charles Drew. Next, students encounter the circulatory man with his veins and arteries seen in 3D. Each student experiences his or her own pulse and learns how the heart pumps blood through a system of veins, arteries and capillaries that would encircle the earth two and a half times. At the Blood Biology station, students handle detailed, scientifically accurate models of red and white blood cells and get a microscopic look at blood cells in action. Then students are introduced to blood donation at the Donation Station and learn about how blood saves lives. Students learn how many pints of blood circulate within their bodies. In the center of the L.A.B., students will make a symbolic blood donation with red marbles representing their pint. Marbles roll, ping, bounce and reach “the patient” in a labyrinth designed to capture the students’ attention. Finally, students get a look at healthy versus diseased blood cells. They meet real people whose lives have been saved by blood and local heroes who have donated the “gift of life.” So climb aboard and experience this interactive classroom on wheels that is The L.A.B. (Learning About Blood).

