The author describes tactile and physical teaching activities used in a summer program for blind students learning algebra. Examples include tactile graphs and charts, physical demonstrations to illustrate abstract concepts such as the distributive property, and other kinesthetic activities suitable for teaching algebra and trigonometry. The author will also discuss student reactions, educational benefits of tactile activities and universal design, and tips for carefully designing math activities that maximize learning and minimize preparation time and cost. (Received September 12, 2012)