



THE UNIVERSITY of TEXAS

HEALTH SCIENCE CENTER AT HOUSTON

Office of Technology Management

THE CIRCLE SCIENCE KIT

Market: Recently, it has been reported that students in the United States are testing poorly on standardized tests for skill in science. Clearly, this trend has the potential to undermine the US's role as a leader in science and technology. Ideally, as children grow up, they would be exposed to scientific theory and the scientific method from an early age. This way, when they get older and are exposed to more formal scientific education, they will be able to apply ideas and themes they are familiar with in order to problem solve.

Competitors and Current Problems: There are numerous kits and programs available to teach pre-k aged children how to begin to understand the language and methods of science. However, most of these kits are not research based, and do not represent a cohesive approach to early science education

The Technology: The CIRCLE Science Kit, developed by Susan Landry and her collaborators at the UT Health Science Center at Houston, was created in accordance with the principles of the Children's Learning Institute (CLI). The kit makes use of themed activities, and includes vocabulary words and activities to re-enforce what the child has been exposed to in the activity. Many of the activities instruct children on how to set up and evaluate experiments, and contain a journal for the children to track results. The kit was created to be in harmony with most pre-k classroom guidelines and with the requirements of Head Start Outcomes. The kit is an excellent way for younger children to begin a lifetime of interest in science and a scientific approach to problem solving.

NON-CONFIDENTIAL TECHNOLOGY DESCRIPTION

The preceding is intended to be a non-confidential summary of a novel technology created at the University of Texas Health Science center at Houston (UTHSCH), for which the University has intellectual property protection.

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