

Arkansas State University, Delta STEM Education Center – Ready, Set, Teach K-4 Science

The “Ready, Set, Teach K-4 Science” (RST) grant project will train 30 K-4 teachers and Instructional Specialists from public, charter, private, and parochial schools at the Wynne Intermediate School in Wynne, AR, in the new AR K-12 Science Standards content. Year 1 of this three-year project will focus on Physical Science and Engineering Design. The grant will provide one piece of technology, equipment and materials per teacher. Books, consumables, and all other needed resources will be furnished.

Teachers will develop, teach and revise a 5E Lesson Plan, which will be submitted to the ASU Smart Portal for teachers world-wide. Teachers will present their lessons at the AR Curriculum Conference. Teachers will give 10 hours of RST professional development to colleagues not participating in RST. Integrations of the AR -12 Science Standards with CCSS Math and Literacy will be stressed. The partnership includes the ASU Delta STEM Education Center, ASU College of Education and Behavioral Science, ASU College of Sciences and Mathematics, ASU Education Renewal Zone, Wynne Intermediate School, Wynne Primary School, and Crowley’s Ridge Education Service Cooperative. The goals for RST are:

Goal 1: Improve teachers’ science content knowledge.

Goal 2: Improve teachers’ Engineering Practices content knowledge.

Goal 3: Increase student achievement.

Goal 4: Increase teachers’ professionalism and leadership.