



Circuit Circus Academic Standards

Circuit Circus Grades 3–4

Students become energized as they form a human circuit, experiment with conductors and insulators, and construct various types of circuits. Scientific inquiry, problem solving, and cooperative learning engage students in this electrifying educational experience!

Academic Standards

Science GLEs

Grade 3

- (PS-E-C4) Demonstrate and explain the movement of electricity in closed and open circuits
- (PS-E-A1) Compare and classify objects on properties determined through experimentation (e.g., the ability to conduct electricity, tendency to float or sink in water)
- (PS-E-C3) Determine which materials insulate best by using experimental data
- (SI-E-A1) Pose questions that can be answered by using students' own observations, scientific knowledge, and testable scientific investigations
- (SI-E-A2) Use observations to design and conduct simple investigations or experiments to answer testable questions
- (SI-E-A2) Predict and anticipate possible outcomes
- (SI-E-A3) Use the five senses to describe observations
- (SI-E-B6) Explain and give examples of how scientific discoveries have affected society

Grade 4

- (PS-E-C4) Test and classify materials as conductors and insulators of electricity
- (PS-E-C4) Demonstrate how a complete circuit is needed for conducting electricity
- (PS-E-C3) Describe how heat energy moves through a material by conduction
- (SI-E-A1) Pose questions that can be answered by using students' own observations, scientific knowledge, and testable scientific investigations
- (SI-E-A2) Use observations to design and conduct simple investigations or experiments to answer testable questions
- (SI-E-A2) Predict and anticipate possible outcomes
- (SI-E-A3) Use the five senses to describe observations
- (SI-E-B4) Base explanations and logical inferences on scientific knowledge, observations, and scientific evidence
- (SI-E-B6) Explain and give examples of how scientific discoveries have affected society