

WATER FESTIVAL - Standards Alignment Sheet

Steve Trash – LIVE WATER FESTIVAL SHOW and Post-Show Discussion Guide
(Grades 4–5) Aligned to Alabama Course of Study – Grade 4



PRIMARY ALIGNMENT – GRADE 4 SCIENCE

4-ESS2-1 – Earth’s Water Distribution

Analyze and interpret data from maps to describe patterns of Earth’s features.

✓ Students learn that:

- 97% of Earth’s water is saltwater
- Only 3% is freshwater
- Less than 1% is easily accessible

Students interpret water distribution data and understand resource limitations.

4-ESS2-2 – Water Cycle

Develop a model to describe the movement of water among Earth’s surface, atmosphere, and land.

✓ Students explain:

- Evaporation
- Condensation
- Precipitation
- Water recycling over billions of years

The show reinforces systems thinking and cyclical processes.

4-ESS3-1 – Natural Resources

Describe that energy and fuels are derived from natural resources and that their uses affect the environment.

✓ Students understand:

- Water is a renewable resource
- Renewable does not mean unlimited
- Human behavior impacts water systems

4-ESS3-2 – Human Impact & Conservation

Generate and compare solutions to reduce human impact on Earth systems.

✓ Students examine:

- Pollution effects on drinking water
- Storm drain runoff
- Groundwater protection
- Litter prevention
- Personal conservation actions

Students connect daily habits to environmental impact.

4-LS1-1 – Structure & Function in Living Things

Construct an argument that plants and animals have structures that support survival.

✓ Students learn:

- Humans are 60–70% water
- Water supports brain, muscles, blood
- Plants and animals depend on clean water

CROSS-CURRICULAR CONNECTIONS

English Language Arts (Grade 4)

ELA.4.RI.1

Students use evidence to determine whether statements are TRUE or FALSE.

ELA.4.SL.1

Students engage in collaborative discussion about scientific concepts.

Social Studies (Grade 4)

- ✓ Environmental stewardship
- ✓ Civic responsibility
- ✓ Community action
- ✓ Responsible use of shared natural resources

Student Learning Outcomes

After participating in the Water Festival experience, students will:

- Understand water distribution on Earth
- Explain the water cycle
- Recognize water as a renewable but limited resource
- Identify sources of water pollution
- Describe conservation strategies
- Connect personal actions to environmental health
- Understand the biological importance of water

Why This Matters

This program reinforces Alabama's Grade 4 Earth & Environmental Science standards while encouraging responsible citizenship, conservation awareness, and real-world application of science concepts.