



Flagstaff Water Education Program

Exhibit A – Scope of Work

I. Purpose

The purpose of this partnership is to educate K-12 students about their interconnected water resources and their importance to Flagstaff's future. Effective water education lessons will also inspire students to adopt water conservation practices.

II. Goals

Develop and deliver targeted programs that assist educators in meeting science standards while providing real world relevancy for student engagement. Working with Flagstaff area schools, local non-profits and non-formal educators, Arizona Project WET will identify grade level specific lessons for interested teachers. Options may include:

- Water Scene Investigation Program - Classroom or virtual visits (with a homework assignment in between)
- 50-minute facilitated sessions on the groundwater system using flow models
- 50-minute interactive lesson on watersheds that includes forest and burned area runoff and retention
- Offer new school water audit opportunities to existing SWAP teachers to audit and retrofit new parts of their schools, other schools and or public buildings
- Other water conservation education lessons, including virtual lessons
- Annual Water Festival and accompanying classroom assistance for 4th graders
- STEM Events and/or Festivals

III. Objectives

This program will work to build understanding on the following objectives (not all students will meet the same objectives). Participating students will:

- see relationships between Flagstaff's interconnected water resources
- make connections to their water supplies and needs
- explore the watershed that they live in and how it functions in their lives
- construct explanations using evidence about regional and local water management
- examine evidence of drought impacts
- apply water conservation and efficiency strategies
- become water stewards and wise water users

IV. Background

Arizona Project WET develops water stewardship and STEM literacy by: 1) providing teacher professional development that evolves instructional practice and deepens content knowledge, 2) direct student outreach that delivers or extends classroom learning, and 3) community engagement. For over a decade, the APW Program has delivered effective water education that teaches water science and stewardship and inspires responsible decision making and water conservation.

V. Budget

APW will utilize \$8,000 of the annual budget to fund a part-time hourly Instructional Specialist, and up to \$7,000 for the annual Water Festival, teacher classroom assistance, teacher workshops and STEM events. The Instructional Specialist will report to the Director of APW and be a part of the statewide APW team but will be housed at the Coconino County Cooperative Extension Office. The Specialist will provide their own transportation, have a valid AZ driver's license and current vehicle insurance to travel within Coconino County.

Total Cost: up to \$15,000 annually for in person and/or virtual water education lessons facilitated through inquiry and exploration within City of Flagstaff service area.