

# ARIZONA FUTURE PROBLEM SOLVING INC.

2005 ~ 2006

Opening doors to student imagination since its founding by Dr. E. Paul Torrance in 1974, the Future Problem Solving Program offers new and exciting learning paths.

When they participate in Future Problem Solving, students discover rich and varied ways of thinking, experience the excitement of creativity, and develop unique solutions to difficult challenges

*Future Problem Solving teaches  
students  
how to think, not what to think.*

## **The Future Problem Solving Program (FPSP):**

- is student centered and action oriented.
- prepares students for constructing a positive future.
- applies across the academic curriculum and within different disciplines.
- involves teaching and learning of processes.
- provides opportunities for students to apply process tools and methods to real life problems.
- holds a commitment to continuous improvement and innovation.
- incorporates Arizona Education Standards.

**The FPSP six-step creative problem-solving model serves as the foundation for building dynamic thinking processes.**

- 1. Identify challenges related to the topic or future scene.*
- 2. Select an underlying problem.*
- 3. Produce solution ideas to the underlying problem.*
- 4. Generate and select criteria to evaluate solution ideas.*
- 5. Evaluate solution ideas to determine a "best" solution.*
- 6. Develop an action plan.*

## **How To Participate?**

Participation begins with the training of a school-approved coach who will manage the program. Coaches may be teachers, parents, or volunteers from the community. Coaches receive training by attending an AZFPS sponsored workshop. School systems may request on-site training for eight or more participants. Workshops are conducted by the Affiliate Directors or FPS trainers. A workshop fee is charged. Any district or organization registering three or more teams must provide an evaluator.

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## Preparing Today's Students for Tomorrow

### PROGRAM COMPONENTS

Each component incorporates Arizona State Standards.  
Evaluation includes feedback for continuous improvement.

#### **Future Problem Solving (FPS) Competitive** **Team/Individual** **Grades 4 -12**

FPS students first learn the creative problem solving process through a practice problem. Next the teams complete an Affiliate Bowl qualifying problem. The top teams from registered schools in each division are invited to participate in the Affiliate Bowl in March.\* The first place team in each division will represent Arizona at the the International Conference at the Colorado State University, Fort Collins CO in June 2006.

**Fees:** \$90 per team, includes two evaluations.

\* \$50 additional fee per teams participating in the April Affiliate Bowl

\$65 per individual, includes two evaluations

\* \$20 per individual participating in the April Affiliate Bowl

#### **Community Problem Solving (CmPS)** **Team/Individual** **Grades 4 -12**

CmPS focuses on real community problems. A community problem may be identified within the school, local, state, national, or even worldwide community. After selecting a problem situation, teams of two or more students use the FPS process to reach a solution. They develop a plan to carry out the solution and take action! AZFPS provides guidance and evaluation. Winning teams in each division may qualify for the International Conference at the Colorado State University, Fort Collins CO.

**Fees:** \$65 per team. Includes guidance and evaluation.

#### **Scenario Writing** **Individual** **Grades 4 - 12**

Scenario Writing offers individual students an opportunity to exercise their creative writing skills. Using one of the five FPSP topics, students develop and polish their creative writing techniques while following the scenario writing format. FPSP scenarios are limited to 1500 words and must be placed 20 years in the future.

**Fees:** \$65 per Scenario Entry. Includes two evaluations

#### **Action-based Problem Solving (AbPS) Non-competitive** **Primary Level, Grades K - 3** **Upper Levels, Grades 3 - 8**

AbPS is problem solving for the whole classroom. The classroom teacher chooses areas of concern from the current AbPS list and incorporates the issues into the classroom curriculum by using the AbPS model.

**Fees:** \$65 per team. Includes two evaluations, one each semester

## Contact Affiliate Directors about the components

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# ARIZONA FUTURE PROBLEM SOLVING, INC.

“More than ever, an education that emphasizes general problem-solving skills will be important. In a changing world, education is the best preparation for being able to adapt.”

Bill Gates, *The Road Ahead*

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## **ORDER SUPPORT MATERIALS**

Future Problem Solving Program  
2015 Grant Place  
Melbourne, FL 32901

1-800-256-1499

[www.fpsp.org](http://www.fpsp.org)    [mail@fpsp.org](mailto:mail@fpsp.org)

**AVAILABLE NOW**  
**2005-2006 RESOURCE MANUAL**  
**COACH HANDBOOK**  
**CmPS HANDBOOK**  
**STUDENT GUIDE for COMPETITION**  
**REVISED SCENARIO WRITING GUIDE**  
**CIRRICULUM/TOPIC MATERIALS**

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