



## Teacher In-Service Program Support to Phoenix Schools by IEEE Retirees

A team of six volunteers from the "Teacher In-Service Program", affiliated to the IEEE Phoenix Section, has been visiting the Phoenix area schools in their mission of training science teachers in improved ways to science and engineering to school children and instilling a deeper interest in our younger generation in science and engineering.

Bill Carr, John Fitch and Thad Enloe visited Apache Junction (four 5<sup>th</sup> Grade classes and two 4<sup>th</sup> Grade classes – each of one hour duration) and Gilbert Elementary (two 4<sup>th</sup> Grade classes – each of one hour duration) Schools. They introduced and demonstrated concepts such as "Electric Switches", "Flashlights and Batteries" and "Insulators and Conductors" to the children, with hands on experiments with "Basic Electricity Kit".

John Purchase and William Magallanez visited the Sacaton Middle School in the Gila River Indian Community. They gave three lessons on "Working with Watermills" to 7<sup>th</sup> Graders and three lessons on "All About Electric Motors" to 8<sup>th</sup> Graders.

These visits and lessons generated tremendous amount of interest among the teachers and students. An 8<sup>th</sup> Grade girl student from Sacaton Middle School even told her teachers, at the end of one such classes, that she wants to be an engineer when she grows up.

Here are some pictures from these interesting and inspiring visits by these tireless IEEE Phoenix TISP volunteers.



*John Fitch assisting a pair of students with the Basic Electricity Kit*



*Bill Carr providing guidance*



*John Purchase demonstrating the principles of Electromagnetics*





*Bill Magallanez lecturing on Potential and Kinetic energy*



*The girl on the left has already declared that she wants to be an engineer!*



*Group work on a Design*



*Putting their Watermill designs to test*

The TISP program is an effort sponsored and promoted by the IEEE national office but run at the local chapter level. As a subset of TISP, talented retirees in the IEEE Phoenix section are being organized by John Purchase to help on this noble cause. Any retiree interested in joining this effort should please email John Purchase at: [jpurchase@cox.net](mailto:jpurchase@cox.net). Plus any non-retiree interested in helping the Chapter's TISP effort should get in touch with Mike Poggie at: [Mike.Poggie@ieee.org](mailto:Mike.Poggie@ieee.org).