THE EDUCATION COORDINATOR
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is the science of numbers and their operations. It is the study of *quantity, space, structure and change*. The earliest uses of mathematics were in trading, land measurement, painting, and weaving patterns as well as recording of time. Today, mathematics and science combine to bring great discoveries through mathematical reasoning and physical insight to solve problems. In these areas of study the rapid expansion of knowledge has led to specialization and merging of applied mathematics with related fields of science and have become disciplines such as *statistics, operations research, and computer science.*

The word *statistics* is singular when relating to the field of statistics and is the study of organization, collection, interpretation, and analysis of data. The origin of statistics began in 1663 with publications relating to the need for states to base policy on demographic and economic data leading then to include government, business and the social sciences.

Operations research originated during World War II with the efforts of military planners to develop effective use of technology by the many organizations involved with the war effort. This discipline has expanded greatly with new techniques and a greater awareness for the need in equipment procurement, training, logistics and infrastructure.

Computer science seems to be alive and well if we consider the wealth of information technology available to us today. Computer science is increasingly driving the U.S. economy, but computer science education is absent in most American K-12 curricula. In October of 2010 a publication released by the Association for Computing Machinery and Computer Science Teachers Association indicated that only 14 states have adopted education standards for high school computer science.

On July 29, 2010 H.R. 5929: COMPUTER SCIENCE EDUCATION ACT OF 2010 was introduced to Congress directing the Secretary of Education to award states two-year grants to develop comprehensive plans to strengthen elementary and secondary computer science education.
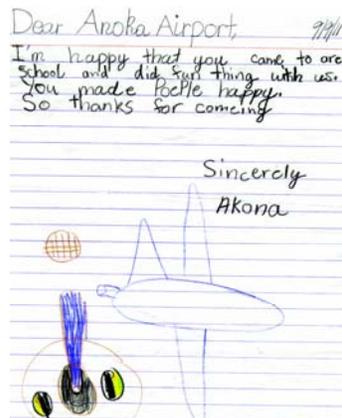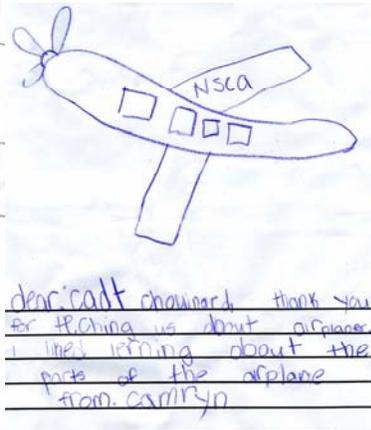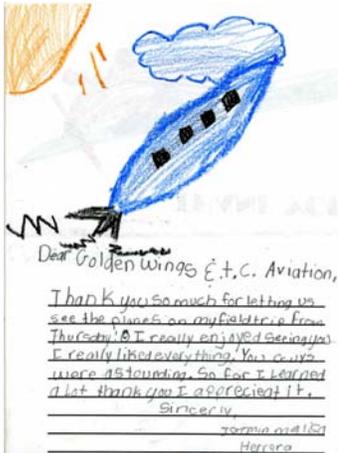
The bill is now H.R. 3014 and is being sponsored by Rep. Jared Polis [D-CO2] and has been referred to House Education and Workforce Committee, chaired by, Rep. John Kline [R-MN2]. For more informational up-dates, search: *govtrack.us*

On the surface we do see computer applications of many types of skills at all levels of our society but these are limited to communication or data gathering. Computer Science Education however needs to go deeper than merely teaching computer skills. These are starting points for anyone beginning to learn how a computer is used but this alone will not provide the knowledge required in the advancement of technology, design, and development skills required for using the computer effectively in solving problems.

Mathematics is an essential tool in fields of natural science, medicine, engineering, and social science but is a discipline that requires a great deal of research to find out what it is and we will never really get around it because it is so large and complex and challenging. Mathematics is that connection to education that can not be overlooked and has been part of our daily lives from the time we recall learning to count on our toes and fingers. The challenge is to make the computer work to transform our ideas into meaningful expressions of our thoughts and our own logic.

Dear Anoka County-Blaine Airport...

The Blaine Airport Promotion Group has received a large number of letters from students that attended our field activities over the summer months to share an expression of "Thank You" for the opportunity to visit and learn about the work of the airport. A few have been selected here because of their special graphics.

These letters are very inspiring for we can see through the graphic arts of these students that they received something special during their visit. Several letters were addressed to the trainers from the Civil Air Patrol, and staff from Golden Wings Museum and Twin City Aviation. Key Air played a large part in providing space during their work day to host large groups for tours and conference sessions for our four hour programs. "THANK YOU"

THANK YOU TEAM...

A big thanks goes out to the team that spent summer hours erecting the observation deck at the base of the control tower. We now have the ability to host large groups at the site to observe airport operations as well as hear tower communications. A picnic setting were visitors can come and enjoy their love of flying.

MAC Chairman Dan Boivin presented six airport tenants with plaques to honor their efforts and volunteer spirit in the building of the observation deck. The honorees are: Don Rosacher, Bob Johnson, Bob Streeter, Tony Loth, Tim Loth, and Doug Solseth

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Photos by: Roger Hansen