

MINUTES
HOUSE EDUCATION COMMITTEE

- DATE:** Friday, February 17, 2017
- TIME:** 9:00 A.M.
- PLACE:** Room EW41
- MEMBERS:** Chairman VanOrden, Vice Chairman McDonald, Representatives Shepherd, Boyle, Clow, Mendive, Kerby, Cheatham, Amador, DeMordaunt, Moon, Syme, Kloc, McCrostie, Toone
- ABSENT/
EXCUSED:** Representative(s) Mendive
- GUESTS:** Maureen O'Toole, Girl Scouts; Daphne Wheeler, Girl Scouts; Flo Wheeler, Girl Scouts; Dr. Janet Callahan, Girl Scouts; Colleen Ramsey, Girl Scouts; Elaine Leedy, Girl Scouts; Jeannie Pattan, Girl Scouts; Blake Youde, SBOE; Harold Ott, IRSA & IASA; Erica Compton, STEM, Finia Dinh, STEM; Angela Hemingway, STEM; Misty Swanson, ISBA; Stephanie, STEM; Kody Martin, STEM; Dave Hill, STEM; Arald Sopot, STEM
- Chairman VanOrden** called the meeting to order at 9:02 am.
- MOTION:** **Rep. McCrostie** made a motion to approve the minutes of February 9, 2017. **Motion carried by voice vote.**
- H 105:** **Blake Youde**, State Board of Education, presented **H 105** relating to teacher preparation assessments. They may consist of multiple measures for the demonstration of skills by the student and to make technical corrections.
- MOTION:** **Rep. McCrostie** made a motion to send **H 105** to the floor with a **DO PASS** recommendation. **Motion carried by voice vote. Chairman VanOrden** will sponsor the bill on the floor.
- H 107:** **Blake Youde**, State Board of Education, presented **H 107** relating to the interstate compact for western regional cooperation in higher education. Updates the language to show Alaska and Hawaii as states, rather than territories.
- MOTION:** **Rep. McDonald** made a motion to send **H 107** to the floor with a **DO PASS** recommendation. **Motion carried by voice vote. Rep. McDonald** will sponsor the bill on the floor.
- Maureen O'Toole**, Girl Scouts CEO, introduced **Dr. Janet Callahan**, GS Board Member, STEM Task Force, Chair/Professor at Micron School of Materials Science and Engineering at BSU.
- Janet Callahan**, PH.D, Girl Scout Board Chair Member, and leader of the Council STEM Task Force. She is the current Chair/Professor of the Micron School of Materials Science and Engineering, BSU. She stated Girl Scouts of Silver Sage Educational Curriculum is year round and includes grade K-12. She explained girl scouts are 81% more likely to earn a college degree. They align with Idaho's Content Standards and teach STEM, financial literacy, leadership, community engagement, global awareness, entrepreneurship, environmental stewardship, and more. Girl Scouts learn that knowledge matters and learn to apply that knowledge to make communities stronger by using critical thinking for a sustainable solution. The curriculum prepares girls for a professional career that match their interest and career landscape. They have added more badges to the system to meet what the girls are interested in. The Girl Scouts partner across the state to match STEM through engineering, mathematics, science, technology and so much more. Ms.

Callahan explained there is an increased need for a highly trained workforce in engineering, science, and technical industry. Girls tend to lose interest in math and science when they are in middle school, recognizing this fact, the Girl Scouts are professionally organized with STEM activities and badges so they will not lose interest. With active, collaborative learning and fellowship with other girls they feel that they belong, and it empowers them to continue their interest.

Dr. Callahan stated their community partners are BSU, Discovery Center of Idaho, and Meridian unBound. Their STEM sponsors are US Bank, Micron Foundation, and STEM Action Center. In the past two years they have had a 10-fold increase in STEM activities, and 6-fold increase in girl participation. Their goal is to increase STEM participation by 30%.

Daphne Wheeler, a 11 year old Girl Scout Cadette, spoke about the web program she and her mother developed to sell cookies with a i-pad rather than the clip board and paper ordering. It eliminated mistakes and allowed the customers to pay with credit cards. She explained how she has developed many friendships and made lasting memories with people who are important and who she loves.

Colleen Ramsey, Girl Scout Board Chair from 2009-2012, and the first woman engineer at Idaho Power. She stated she was inspired to become involved with the Girl Scouts in 2004 to help inspire and encourage girls to become involved in the fields of engineering, science, and technology. She explained the partnership that Girl Scouts have with STEM is the way to encourage girls by showing them the fun, exciting environment science and engineering can be while expanding their minds. She feels the future in education and careers for women as a whole is in STEM, thus everything they teach in Girl Scouts revolves around STEM.

Maureen O'Toole concluded by stating the Girl Scouts have a large impact on girls and their futures, and gave the following statistics: 76% of women Senators, 80% of women Governors, 54% of women Representatives, and 58% of women members of Congress are Girl Scout alumnae.

Angela Hemingway, Director Idaho STEM Action Center presented the update on the STEM Center. She stated the Center is 18 months old and growing fast. They are providing services in the following ways: They work with the State Board, SDE., industry, educators, and universities to create Idaho-specific K-12 computer science standards, they support high quality STEM and CSA professional development for educators, distribute grants to students, educators, communities, and the workforce, serve as a resource center for instructional materials and best practices, engage industry to support STEM/CS education outcomes, Support student STEM/CS competitions and pilot projects, and support traditionally underrepresented population in STEM and CS. Their strategic plan and agency goals are to coordinate and facilitate implementation of STEM programs throughout Idaho, align education and workforce needs throughout Idaho, and increase awareness of STEM throughout Idaho with public and private partnerships, and regional science and engineering fairs.

Ms. Hemingway stated Idaho's tech sector is the second fastest growing in the nation at 6.3%. Sixteen of the 20 fastest growing careers in Idaho require STEM skills, and those STEM jobs are expected to grow 23% by 2024. Within 20 years, 80% of jobs will require skills in technology. The median STEM wage is \$30 per hour, and unclaimed STEM labor wages amount to \$240 million in Idaho because Idaho is not able to supply the workforce from Idaho. High quality STEM education opportunities are essential to achieving the workforce needed. Their mission is to connect STEM education and industry to ensure Idaho's long-term economic prosperity with a competitive workforce. This is being done by implementing Idaho's K-Career STEM education programs with industry needs.

ADJOURN: There being no further business to come before the committee, the meeting adjourned at 10:12 am.

Representative VanOrden
Chair

Ann Tippetts
Secretary