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Donald W. Reynolds Center for the Visual Arts  
E.L. Wiegand Gallery

160 West Liberty Street, Reno, Nevada, 89501  
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## REPORT FROM THE INTEGRATING ARTS & CULTURE INTO STEM (IACS) SUBCOMMITTEE

1. In an effort to bring all the major stakeholders into the conversation, the Integrating Arts & Culture into STEM (IACS) Subcommittee has expanded its membership to include a broad diversity of educational, arts and cultural organizations from across the state. Currently, the following organizations are represented in the subcommittee:
  - a. Clark County School District (CCSD)
  - b. Department of Education (DOE)
  - c. Desert Research Institute, Science Alive
  - d. Discovery, Las Vegas
  - e. Nevada Arts Council (NAC)
  - f. Nevada Museum of Art
  - g. Sierra Arts Foundation
  - h. Smith Center
  - i. STEM Advisory Council
  - j. Sustainable Nevada
  - k. The Discovery, Reno
  - l. Truckee Meadows Community College
  - m. Washoe County School District (WCSD)
  
2. After much discussion, the IACS has directed its focus on professional development for K-12 Educators. The IACS Subcommittee feels that by focusing our resources and expertise on supporting teachers in the classroom, we can have the most positive impact on supporting the integration of Arts and Culture into STEM teaching and learning.
  - a. We are building upon a history of successful, interdisciplinary arts integration and STEAM-based professional development across the state.
    - i. IACS Organizations providing high quality PD statewide (individually and collaboratively)
    - ii. Exploring STEAM Education 2016 (Design and Development)
    - iii. Exploring STEAM Education 2017 (City Planning)
  
  - b. NV STEAM Conference: Inspiring Creative Innovation
    - i. Annual, state-wide conference exploring best practices in STEAM, held alternately in the north and south
    - ii. Statewide invitation, FREE to all teachers, .5 in-service credits
    - iii. Saturday, February 24, 2018 from 8:00 am to 6:00 pm
    - iv. Nevada Museum of Art: 160 W Liberty Street, Reno, NV 89501
    - v. Continental breakfast, lunch and an evening reception are included
    - vi. Grant money is available to teachers to pay for hotel, mileage and/or airfare (up to \$500 for those traveling more than 50 miles) through the NAC
    - vii. Conference organized and hosted by DRI Science Alive and the Nevada Museum of Art with the support and collaboration of IASC and participating organizations
    - viii. Topic of Exploration: Nevada's Nuclear Legacy
      1. Keynote Speaker: Dr. Charles Falco

- a. Bio: Dr. Charles Falco is an experimental physicist who serves as chair of condensed matter physics and professor of optical sciences and physics at the University of Arizona. Falco spent eight years at Argonne National Laboratory, initially formed to carry out Fermi's work on nuclear reactors as part of the Manhattan Project, and later designated as the first national laboratory in the United States focused primarily on nuclear physics, designing and building the first power-producing nuclear reactors. Since the publication of the Hockney-Falco thesis, Dr. Falco is best known for his exploration of the relationship between art, physics, and humanity.
2. Interdisciplinary, STEAM-based, hands-on workshops created, vetted and provided by IACS Organizations
3. IACS Panel to continue to discuss and develop a definition of STEAM Education with teachers and stakeholder
4. Concrete examples of the integration of art and science that explore Nevada's Nuclear Legacy through exhibitions on display at the Museum:
  - a. Robert Beckmann, *Body of a House*  
(<http://robertbeckmann.com/house.html>)
  - b. Chris Drury, *Mushroom Clouds* and *Life in a Field of Death*  
(<http://chrisdrury.co.uk/life-in-the-field-of-death-2/>)
  - c. Michael Light, *100 Suns* (<http://www.michaellight.net/suns-intro/>)
  - d. Altered Landscape Photography Collection
    - i. Peter Goin, *The Nuclear Landscape*  
(<https://www.petergoin.com/nuclear-landscapes>)
    - ii. Yang Yongliang, *Heavenly City*  
(<http://www.yangyongliang.com/Photography/36.html?act=list>)
    - iii. Jo Whaley, *Atomic Tea Party*  
(<http://www.jowhaley.com/Image.cfm?nK=422&i=3821#1>)
    - iv. Mark Klett, *Nuclear Generating Station*  
([http://www.artic.edu/aic/collections/artwork/73926?search\\_no=1&index=3](http://www.artic.edu/aic/collections/artwork/73926?search_no=1&index=3))
5. Supplementary field trip offered in conjunction with NV STEAM Conference every year, in a different location to extend the reach and participation for teachers across the state. The two events are designed to complement each other but can also provide a well-rounded experience independently; teachers can attend both the conference and the field trip, one or the other.
  - a. Nevada Test Site Visit
  - b. Potential Date: Friday, February 16