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LOUISIANA SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

ADVISORY COUNCIL

Thursday, April 12, 2018

The Louisiana Science, Technology, Engineering, and Mathematics (LaSTEM) Advisory Council met at 9:00 a.m. on Thursday, April 12, 2018, at the Claiborne Building, Thomas Jefferson 1-136, 1201 North Third St, Baton Rouge, Louisiana. Ms. Susana Schowen, Vice Chair of the Council, called the meeting to order. Mr. Dunn called the roll and a quorum was established.

Committee Members Present

Kellie Taylor White
Randy Duran
Michael Gaudet
Patty Glaser
Jeff Holcomb
Carrick Inabnett
Jada Lewis
Tricia Miller
Stanton McNeely
Janet Pope
Susana Schowen
Scott Stevens
Rene Cintron (William Wainwright)
Jill Cowart (John White)
Tom Yura (Sarah Handeline)

Committee Members Absent

Joseph Rallo
Mahyar Amouzegar
Larry Carter, Jr
Crystal Gordon
Jim Henderson
Sharon Hewitt
Stephanie Hilferty
Calvin Mackie
Amanda Hill
Kristen Reeves
Ken Tucker
Rachel Vincent-Finley
Jaime Williams
Laura Younger
Mahyar Amouzegar

Guest List Appendix A

LaSTEM Coordinator Updates

Mr. Dunn informed the Council of the STEM Summit that will be held Friday, September 7th at Pennington Biomedical Center. The Summit will be a huge STEM showcase as well as a summit. Speakers will present the audience with the STEM best practices, effective STEM teaching methods and STEM policies. A calendar invite will be send out as a Save the Date.

STEM Showcase: 2017 Louisiana ACT STEM Report & Open Source Curriculum

Initiative

Ms. Nicole Lewis, State Lead for ACT, presented the Council with the STEM ACT report for Louisiana. Ms. Lewis explained how the scores are determined and provided a comparison of Louisiana's score to the national average score. There was an in-depth discussion regarding accessing the ACT pipeline, knowledge of other programs that ACT offers and the STEM findings as related to ACT.

Ms. Jill Cowart, Director of Mathematics, Science and STEM for the Louisiana Department of Education (LDOE), informed the Council of the Louisiana's standards for Science and the importance of being able of relate science to real life events. Ms. Cowart informed the Council of how the science assessments are changing. Currently, LDOE is performing curriculum reviews, publishing the findings of the review and advising the districts how aligned the curriculum is to our standards. The review will identify alignments or misalignments of the current curriculums. Publishers review the curriculum review and are provided the opportunity to address the issues to correct the alignments. Open Sci-Ed is a science curriculum project that allows other developers customize the curriculum by adding technology. The developers must credit Open Sci-Ed. There will be a training on June 11th for over 250 teachers that will pilot 6 units of the curriculum

for the school year 2018-2019. There will be full implementation of Open Sci-Ed in 2019-2020. Open Sci-Ed has established a request for proposals to fund the project.

Review & Prioritize Revised SMART Objectives

Dr. Jeanne Burns, Chair of the PK-12 Subcommittee, announced her retirement and introduced her replacement, Dr. Susannah Craig. Dr. Burns reviewed the PK-12 Subcommittee's objectives and the timeline. The focus is to stagger the objectives from summer 2018 until summer 2020. The subcommittee is requesting the assistance of the Council to deem which person or agency will take responsibility of overseeing the objectives. The targeted agencies are Board of Regents (BoR) and LDOE with the assistance of the business sector. Dr. Burns suggested that the Council look at the estimated cost, resources, staff and time that is needed to complete the objectives. She requested feedback from the Council regarding the objectives and plans to have a conference call with the PK-12 subcommittee. There was a suggestion to develop a focus then consolidate and delete objectives not relative to the focus. There was a recommendation to develop business sector partnership. A priority will be to focus on the regional centers and develop a structure approach. Mr. Dunn presented Dr. Burns and Dr. Craig with a certificate for their constant contact with their committee, soliciting feedback and adhering to the quick turnarounds for the meetings.

Discussion of Louisiana STEM Majors and STEM Jobs

Ms. Schowen provided the Council with an outlook for the workforce subcommittee. The subcommittee will establish partnerships with business and industry as well as Louisiana Economic Department and Louisiana Workforce Commission to accomplish its' objectives. An objective will be to integrate the STEM Centers by orchestrating a regional approach and accessing the areas. The subcommittee will identify the gaps and coordinate workforce

partnerships to fulfill the gaps. Ms. Schowen determined the challenges that the subcommittee will face and solicited the assistance of the Council. There was an in-depth discussion regarding the workforce benchmarks, comparison of Louisiana's workforce to the nation and the classification of instructional programs (CIP) codes. Ms. Schowen challenged the Council to providing a STEM literacy definition, establishing the standard of STEM excellence and evaluating Louisiana's CIP codes for STEM relevancy.

Adjournment

There being no further business regarding the LaSTEM Advisory Council, Ms. Schowen adjourned the meeting at 11:45 a.m.

Guest List: Appendix

Name	Agency
Linda Thompson	SJA
Sara Strickland	LDE
Lori Gauthier	LAGCOE
Chris Roe	
Luis Medina	VEX
Claire Luikarte	SJA

