

## Leann Hill

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**Sent:** Tuesday, October 07, 2014 2:58 PM  
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**Cc:** Don Jordan (djordan@sc.edu)  
**Subject:** South Carolina Metric Week Oct 5 – 11, 2014 Governor Haley's Proclamation  
**Attachments:** Gov Haley's Metric Week 2014 Proclamation for South Carolina.pdf; Metric Packet for School SC Metric Week Oct 5 - 11, 2014.pdf

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Please Share with your faculty & Students. [djordan@sc.edu](mailto:djordan@sc.edu)

October 1, 2014

RE: South Carolina Metric Week Oct 5 – 11, 2014 Governor Haley's Proclamation  
From: Dr. Don Jordan, Arts & Sciences, Center for Science Education, USC  
And South Caroline Academy of Science

Dear Principal, District Leader, Teachers and Administration:

Nanotechnology is now one of the standards in education. Using the conventional language of science, students need to be able to describe the size of a nanometer and make size comparisons of nano-sized objects with other small objects. To accomplish this, students must be familiar with atoms, molecules, and cells. Students also need to have knowledge of basic units of the metric system and prefixes, as well as the ability to manipulate exponential and scientific notation. We have included a short test on measurement, volume, mass, and surface area and nanotechnology with our metric packet in 2014.

Quote by Patrick Gallagher Under Secretary of Commerce for Standards and Technology and Director, NIST

"We are a bilingual nation in measurement: We measure distance in miles, but fiber optic cable diameter in millimeters. We weigh deli products in pounds, but medicine in milligrams. We buy gasoline by the gallon, but soda comes in liter-size bottles. We parcel property in acres, but remote sensing satellites map the Earth in square meters. We use a mixture of metric and customary units depending on the context. NIST (National Institute of Standards and Technology) distributes resources for educators who are teaching the metric system in their classrooms. Many federal agencies use metric routinely, and the U. S. military does so almost exclusively."

We have included: The South Carolina State Metric Proclamation, and documents which includes a list (pages 2 & 3) of year-round metric activities for students to engage in, for all schools in South Carolina. Pages 4 is a chart on the Scale of Things; Page 5 & 6 is a Test of 15 questions Measurement & Nanotechnology for grades 6 – 12. Pages 7 & 8 show correct usage of SI-Metric. Page 9 shows how teachers can obtain free sets of metric education resources. Page 10 has information about NIST Summer Institute for Teachers; Pages 11 & 12 is a Metric & Art Activity for students and pages 13 & 14 are examples of this art activity.

We think it is important that your teachers are notified of Metric Week 2014 in South Carolina. Information on all of the above can be found at the following site:

<http://www.artsandsciences.sc.edu/cse> See Other Programs then click the "Metric" link.

*Please copy, distribute, and post for teachers, students and parents to see.*

*Thank you - Dan Jordan, USC Professor Email [djordan@sc.edu](mailto:djordan@sc.edu)*

Attached:

Metric Packet for all schools in South Carolina

**Governor Haley's South Carolina Metric Proclamation for Week Oct 5 – 11, 2014**

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Thank you a Yotta ( $10^{24}$ )  
Don Jordan