



The South Carolina Academy of Science

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John Guy, Savannah River Site, 2025
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Undergrad Research, Eran Kilpatrick, Kevin McWilliams
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Membership, Don Jordan (interim)
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Kilpatrick, Don Jordan,
Website – Jeff Pike

Wednesday, September 20, 2023

Ref: SC Metric Week October 8 – 14, 2023, Governor McMasters
Metric Proclamation with opportunities for Students & Teachers

Dear District Leaders and/or Math & Science Coordinators: **[PLEASE SHARE]**

Celebrating **Metric Week in South Carolina 2023 (October 8-14)** is an especially important opportunity for K-12 students and teachers. An announcement at your school and/or school district and encouragement of metric system activities during and after Metric Week would be appreciated. Please forward it to your teachers of science, math, or technology.

Some easy-to-use ideas on celebrating Metric Week are available online at: www.artsandsciences.sc.edu/cse (Select Other than Metric Week or <http://scacademysci.org> or just type "South Carolina Academy of Science" (click on other then pick Metric Week)

We want you to know the opportunities offered to Teachers and Students by the National Institute of Science & Technology (NIST) Metric Program. **Discover NIST Education Resources**. Also, United States Metric Association (USMA) Site usma.org is a good site for information. Have your students take the T/F quiz at usma.org. If 80% or better, we consider that sufficient. Here is one more useful site from SCETV: <https://scetv.pbslearningmedia.org/subjects/science/instrumentation-measurement-and-units/units-of-measurement/>

As you know companies, which will eventually employ many of our students, are gradually producing products to metric system standards. This means that the jobs of tomorrow will require employees to be able to use metric units.

The U.S. is 50% metric. We are using a hybrid measuring system: (Metric & Customary)

See the following items attached to this email:

(1) Cover Letter, (2) SC 2023 Metric Proclamation, (3) National Institute of Standards & Technology (NIST) (**Opportunity for teachers & students**) and (4) Article by Don Jordan on key facts about the metric systems and how to teach metric to students. Also, Documents (1) – (4) attached as a single doc.

Other Documents that can be found on www.artsandsciences.sc.edu/cse include:

The following Web only

(5) The Scale of Things (metric and Nanotechnology)
(6) Metric Test for upper Elementary and Middle School Students 2022

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- (7) Correct usage of Metric Symbols
- (8) Metric True/False Test updated for 2022
- (9) Advantages of Teaching the Metric System pages = 8 2022
- (10) Example of a Wall Chart: Let your students design one for your School.
- (11) Questions that Challenge. Grades six and above.
- (12) Answer Key to questions that Challenge Grades six and above
- (13) SI Metric Prefixes and how to pronounce.
- (14) What is the Area of Your Skin in cm² (Great Activity for Students)
- (15) Printable 100 cm Measuring Tape
- (16) Instruction on How to make a Decimeter Cube or Liter Box Page 1
- (17) Instruction on How to make a Decimeter Cube or Liter Box Page 2
- (18) Template to use in the Construction of a Lite Box Page 1
- (19) Template to use in the Construction of a Lite Box Page 2 Need both templates 1 & 2
- (20) Metric activities for student's pages = 2

The South Carolina Metric Proclamation is distributed to all public and private schools in South Carolina and is recommended and approved by the South Carolina Academy of Science (SCAS), coordinated with the Office of Metric Programs at the National Institute of Standards & Technology (NIST), part of the U.S Department of Commerce and the Center for Science Education at USC. Special thanks go to **Governor Henry McMaster** for his support of this worthwhile endeavor.

Sincerely,

Don Jordan, (R) USC, Center for Science Education (Math Specialist)
Attachments: (1) Cover Letter; (2) Metric Proclamation 2023(printable version).

- (3) National Institute of Standards & Technology (NIST) (Opportunity for teachers & students)
- (4) Article by Don Jordan on key facts about the metric systems and how to teach metric to students.

Other documents (5) – (20) on website www.artsandsciences.sc.edu/cse