CSE

Center for Science Education

Kids Teaching Flood Resilience
Directed by
Merrie Koester, Ph.D.

GET HURRICANE SMART!

Photo by M. Koester

"Together, we are stronger."

Charleston Sea Level Rise Strategy

BURKE HIGH SCHOOL
HOME OF THE BULLDOGS

MORNINGSIDE MIDDLE SCHOOL

UNIVERSITY OF SOUTH CAROLINA
College of Arts & Sciences
Center for Science Education

SIMMONS-PINCKNEY MIDDLE SCHOOL

CHARLESTON DEVELOPMENT ACADEMY PUBLIC CHARTER SCHOOL

PRACTICE
EMBEDDED
EDUCATIONAL
RESEARCH
PARTNERSHIPS

THE CITADEL
STEM
CENTER OF EXCELLENCE

STALL HS WARRIORS

City of Charleston

COLLEGE of CHARLESTON
1770

RESEARCH AND **PRACTICE** HAVING **EQUAL** VALUE AND IMPORTANCE.

NATIONAL WEATHER SERVICE

CHARLESTON RESILIENCE NETWORK

Sea Grant
S.C. Sea Grant Consortium

FOX MUSIC
SINCE 1928

IMPROVING EDUCATIONAL OUTCOMES THROUGH **PARTNERSHIP** AND **MENTORING.**

South Carolina Aquarium

ENOUGH PIE

YOUTH VOLUNTEER CORPS

ARP STUDIO

CHARLESTON WATERKEEPER

Charleston Area Project Impact
Building Disaster Resistant Communities
www.charlestoncounty.org


EMERGENCY EXIT
USDOT 2486832

Step up, Get ready, RESPOND!

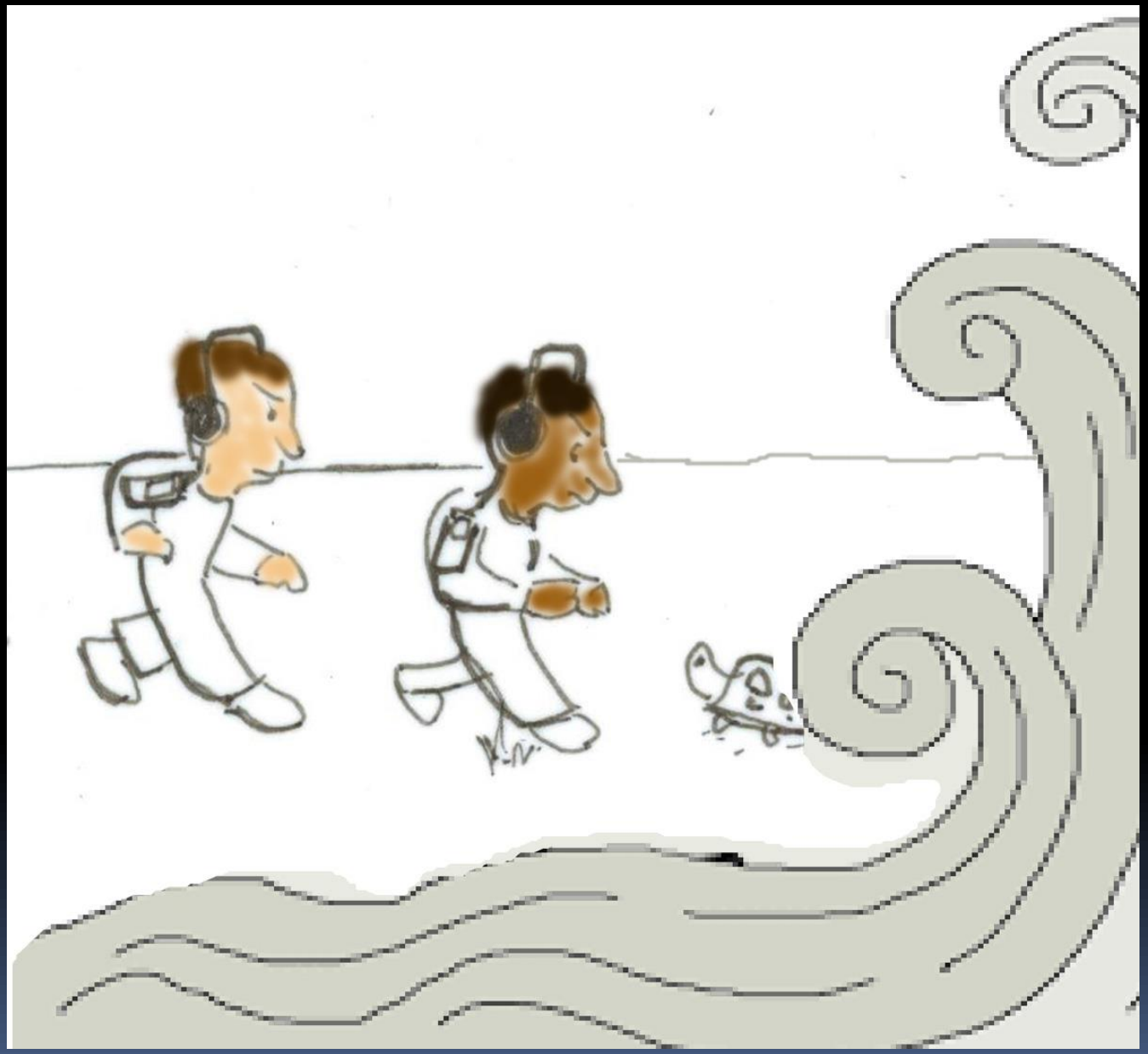
KIDS TEACHING FLOOD RESILIENCE

REPORT ON AN EMERGING COMMUNITY-
BASEDACTION RESEARCH MODEL FROM
THE USC CENTER FOR SCIENCE EDUCATION

by

Dr. Merrie Koester, Principal Investigator, Project Director

Imagine you are 13 again.



"DON'T BE COMPLACENT!

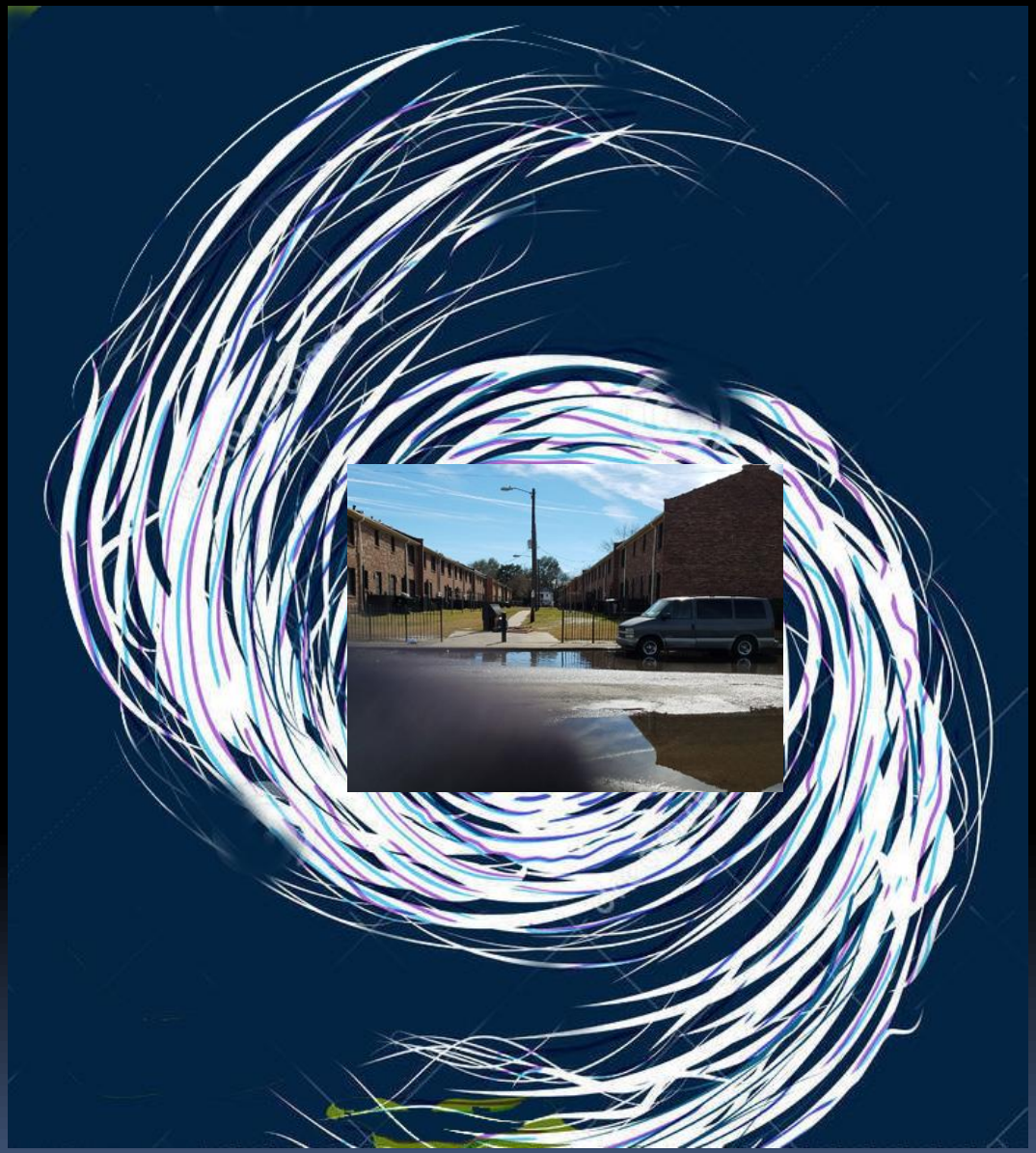
That's HURRICANE DUMB!

addresses the problem Of EDUCATIONAL VULNERABILITIY.

ABOUT EDUCATIONAL VULNERABILTY…

- Educational vulnerability is a multi-jurisdictional problem that addresses a lack of access to or awareness of the knowledge and resources that might reduce one's risk of harm from a potential hazard.
- Poor, ethnic minority communities are those that environmental issues like sea level rise are most likely to adversely impact. **They are also the most likely populations to lack access to traditional means of information disbursement.**
- Opportunities to develop, implement, and share culturally responsive, community-specific hazard risk literacy and messaging (for example, school and faith-based programs about hurricane science and preparedness) need to be explored and funded.

Weather Ready Ambassadors From Morningside Middle School



Imagine a Flooding School, Church, or Housing Project at the CENTER of an EDUCATIVE RESILIENCE GENERATING SYSTEM

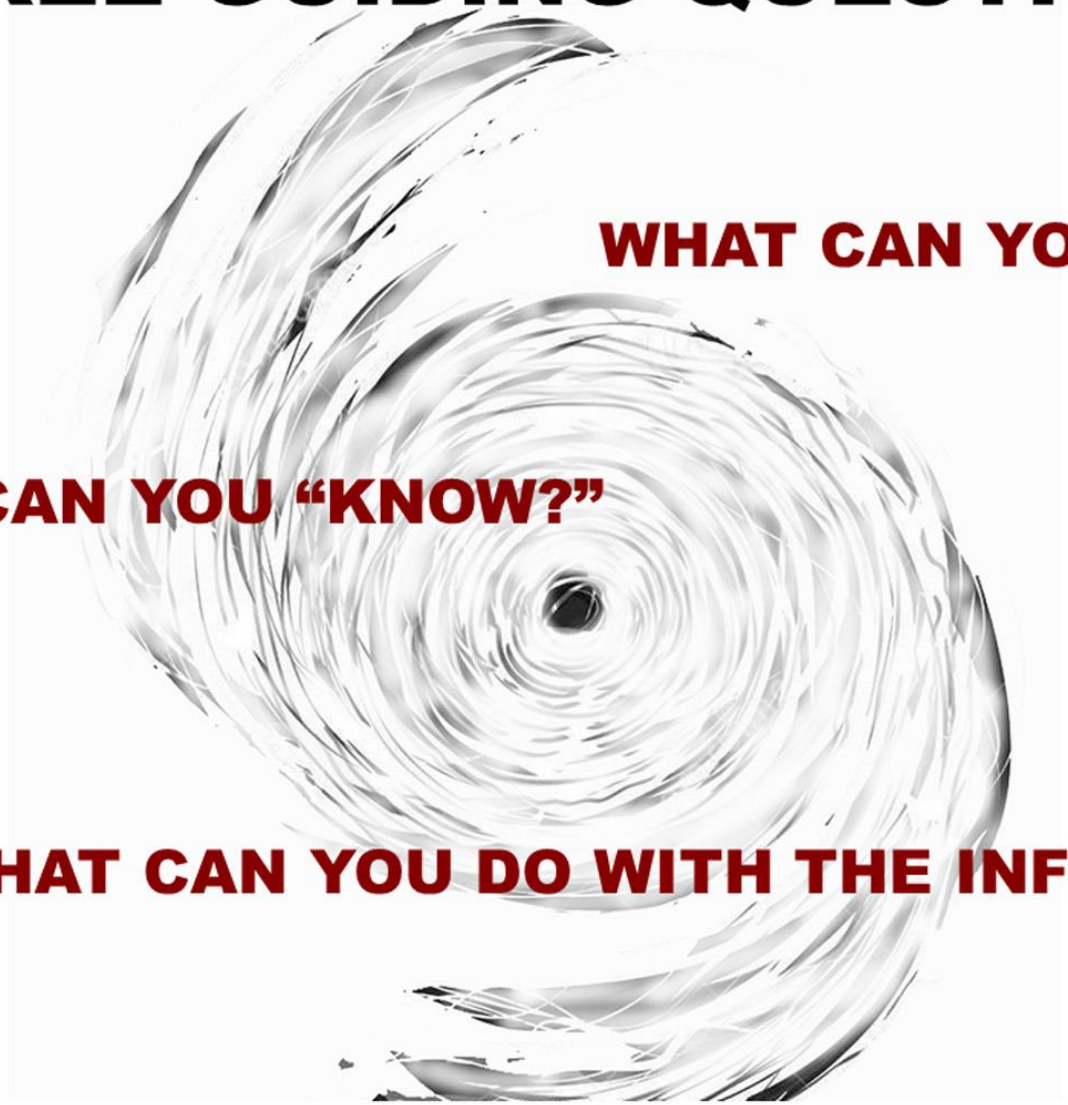
GET HURRICANE SMART!

Now what? So what?

- What questions do you have?
- How could this GET HURRICANE SMART program used to improve a community's CRS rating?
- In what settings/groups do you think something like this would be most impactful?
- What messaging would you like to add as the work continues to evolve?

GET HURRICANE SMART!

THREE GUIDING QUESTIONS

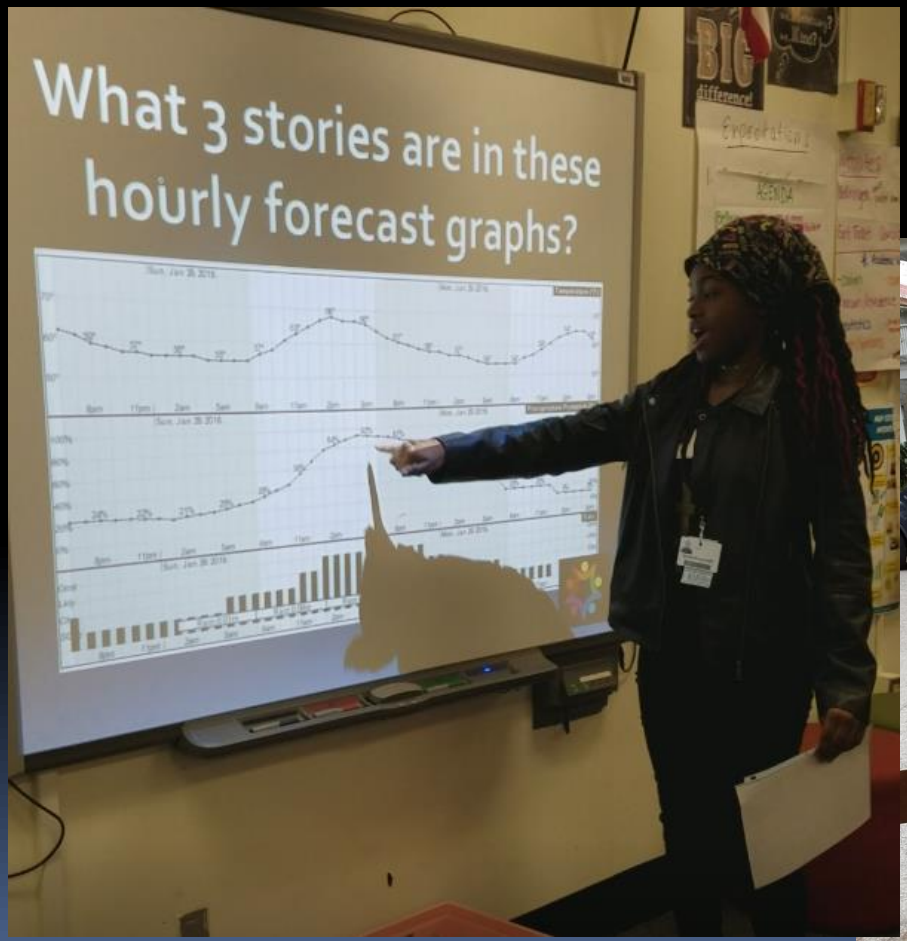


WHAT CAN YOU NOTICE?

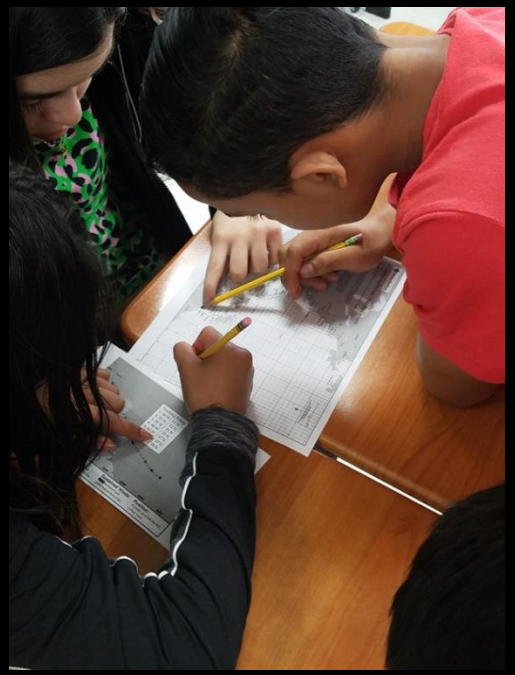
WHAT CAN YOU "KNOW?"

WHAT CAN YOU DO WITH THE INFO?

Flood Resilient Citizen Scientists



Our Program's Weather Ready Ambassadors are



- Weather-Smart
- Drain-Smart
- Storm Surge Smart
- Prep-Smart

- They UNDERSTAND and can COMMUNICATE what to NOTICE, KNOW, and DO in the event of an extreme weather event.

So what? Now what?

Merrie Koester, Ph.D. / USC Center for Science Education

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