

CCMC Users Group Meeting
Education Summary

Tools

- iSWA - Integrated Space Weather Awareness
iswa.gsfc.nasa.gov/
- SWx - Space Weather Explorer
ccmc.gsfc.nasa.gov/
- Just in Time Teaching Digital Library
- Books: Cravens, Gombosi, Knipp, Tascione
- Carlton College repository

What is being done

- Summer Schools -
Heliophysics Summer School, CISM Summer School
- Embedding Tools in Class (Knipp)
- Teacher Professional Development, Catholic University
- NASA Undergraduate Internships
- Space Science Programs
(CUA, Michigan, GMU, CU, Embry-Riddle, UCLA, ITU, AFIT, BU)

What is being done (cont.)

- Modeling and runs on request class projects
- CCMC Video tutorials
- iPhone APPs (SW_x, WINDMI)
- Non-majors course at UCLA
- SMD Heliophysics videos

What we should do

- K-12 (Los Alamos Teacher Professional Development)
- Exploring Students Prior knowledge? (particle drifts, Magnetic field and current configurations, structure of solar magnetic field, solar wind flow)
- CCMC Tools Workshops at GEM, SHINE, CEDAR, AGU (CEDAR workshop organized by Barbara Emery)
- CCMC Student Challenges (for undergrad course projects)
- Input on HSS topics to Jan Sojka

What should we do (continued)

- Case Studies development (NASA EPOSE Grant?)
- Connect to Helio Education-forum
(Laura Peticolas and Emily Cobabe-Ammann)
- Collection of papers on space weather modeling
- Carlton College Repository of Educational Materials
- Educational Materials Repository at CCMC
- Backfill iSWA using Runs on Request