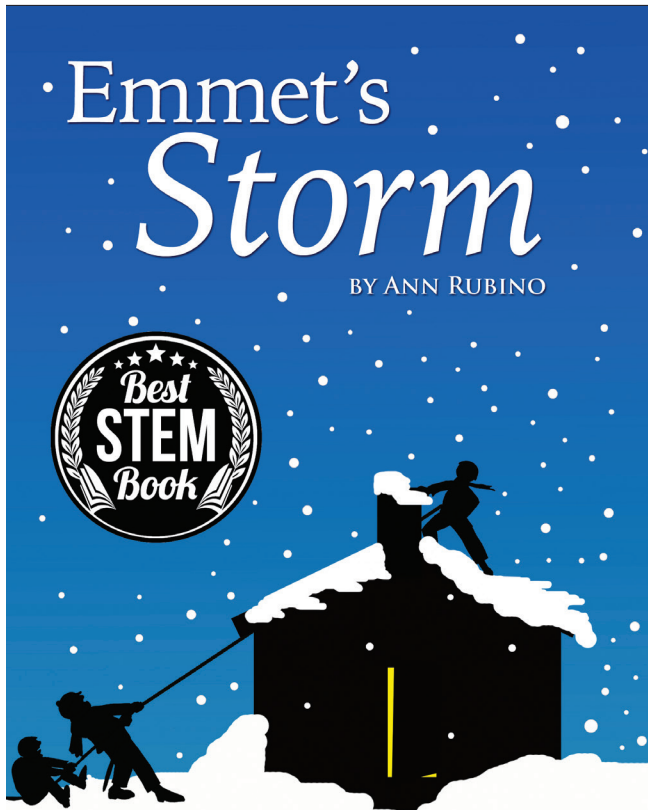


EMMET'S STORM

by Ann Rubino • Best STEM Book 2017

INTEGRATION IDEAS



Science Topics

- Air pressure
- Behavior of fluids
- Weather related
- Batteries and how they work
- Telegraphs as application of electromagnetic forces
- Electricity storage [capacitors]
- Lightning [static charges]
- Combustion/flame color/temperature
- Rocks, especially sedimentary [uses]
- Structures [rigidity, materials]

Nature of Science

- Predicting
- Data collection
- Hypotheses = "educated guess"
- Measurement/recording
- Evaluation of results
- Learning cycle in general

Psychological/Social

- Coping with bullies
- Being different in a good way
- Grief management
- "Pain" of being identified gifted

A CURRICULAR BRIDGE

History:

American Post-Civil War

- Everyday life in small towns
- Effects of technology
- Westward movement
- Immigration patterns

Activities/Uses

- Writing prompts related to story
- Replicate similar experiments/labs using textbook
- Readers' theater
- Telling old family stories
- Web quests
- Telling part of story from various POV

Resources

- American Girl Stories
- Cobblestones magazines
- Dear America series
- Iowa Pathways on PBS
- NSTA.org