

**Fourth Grade Units of Study**

Engineering Design Process (Science and Engineering Practices)

Computer Science - Flow Based Coding with SAM Labs Technology

Energy Transfer and Speed

Energy Conversion

Electrical Energy

Wave Properties - Sound and Light

Computer Science – Block Based Coding with Dash Robot

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STEM Lab Instructor

STEM Expectations

\*Be Respectful - follow directions, listen to all ideas, be kind

\*Be Responsible - follow classroom routines, use self-control, stay on task,

 use materials appropriately

\*Be Ready to Learn - stay on task, try your best, stay positive

Don’t Give Up!



**Grading**

STEM activities will receive a grade based on participation during STEM Lab. It will supplement science; therefore, grades will be integrated with the homeroom science grade.

 Wish List

\*Craft Sticks \*Pompoms

\*Wiggly Eyes \*Play-Doh

\*Pipe Cleaners \*Paper Plates

\*Paper Lunch Bags \*Cotton Balls

\*Hot Glue Sticks \*Paper Towels

Recycled Materials

\*Cardboard Tubes

\*Empty Tissue Boxes

\*Clean, Empty Egg Cartons

\*Scraps of Cardboard