Worms and S.T.E.A.M.

Science

- Observe appearances, textures, smells, and sounds of worms.
- Match worm structures to worm functions.
- Experiment to answer worm questions.
- Compare soil properties pre- and post- worms.
- Experiment with composting materials and methods.

Technology

- Look up answers to worm questions on websites.
- Use magnifying glasses or microscopes to observe physical characteristics.
- Monitor worm bin temperature with a thermometer.
- Weigh worms or vermicompost with a scale.
- Share information about worms in a blog.

Engineering

- Design a worm bin that meets the needs of both worms and people.
- Troubleshoot worm bin problems.
- Test different worm bin materials for moisture retention, aeration, and more.
- Research worm bin designs that others have tried.
- Design a worm maze or obstacle course.

Art

- Illustrate a worm.
- Act out worm movements.
- Create a worm information poster.
- Paint a spectrum of worm colors.
- Make a picture out of worm mucus.

Math

- Measure worm length, width, speed, distance, and more.
- Calculate the difference in compost materials before and after decomposition.
- Count number of rings on a worm's body.
- Measure speed of decomposition with and without worms.
- Record worm data in a data table.

