

VERMONT EARLY LEARNING STANDARDS

MODULE 4: EVIDENCE-BASED RESOURCES

This list provides you with some additional information to expand your interest and learning about VELS Module 4: Learning About Our World. This collection is based on current early childhood research and evidence-based practices. Below, you will find a link to each online resource and a short description of what the resource contains. This way, you can quickly find what information interests you most, and may be helpful to you and your family.

MATHEMATICS

The **National Association for the Education of Young Children** offers resources for families on supporting your child's math skills. Take a look at these carefully selected resources:

- **Preschoolers are Natural Mathematicians**¹: Check out this website for ideas to stimulate your child's everyday mathematical thinking like measuring, counting, and building.
- **5 Ways to Build Math into Your Child's Day**²: Math is everywhere! These helpful hints and ideas will inspire to explore math as a family every day including baking, building, and bedtime stories.
- **Support Math with Materials in Your Home**³: With a little creativity, simple household items can become powerful tools for learning math. Open your kitchen cupboards and open your child's mind to thinking and learning about math!

The **Zero to Three** site has many resources that will offer your family practical tips for exploring math in everyday activities.

- **Help Your Child Develop Early Math Skills**⁴: Before your child starts school, they have developed an understanding of addition and subtraction through everyday interactions. Learn what informal activities give children a head start when they start learning math in school.
- **Let's Talk About Math: Early Math Video Series**⁵: Each 3 minute video focuses on the math skills children are mastering from birth to 5 years old, and suggests fun activities families can use to develop and grow math skills like shapes, patterns, and counting.

SCIENCE

Public Broadcasting System's (PBS) family page presents milestones your child may reach in science skills, as well as hands on games, activity ideas, and tips for you to make science part of your every day.

The **National Association for the Education of Young Children** offers resources for families on exploring science. Discover PBS' carefully selected resources:

- **Play in a Puddle on a Rainy Day**⁶: Grab your raincoat and rubber boots to get ready for some fun! Find four fabulous and fun ways to investigate and splash in puddles during a rainy day.

SCIENCE (Continued)

- **10 Tips To Support Children’s Science Learning**⁷: Learn! Explore! Investigate! 3 super-simple, fun experiments to do together.
- **Toys as Tools: Everyday Science Experiments**⁸: Mirrors, bubbles, and balls oh my! Turn common household objects into exciting science fun with your child!
- **Explore the Great Outdoors with Your Child**⁹: Uncover ways to encourage your child’s natural curiosity while exploring the great outdoors.

SOCIAL STUDIES

Going Green At Home: Getting Your Child Involved¹⁰ this article from the **National Association for the Education of Young Children** gives you simple tips for your family to conserve resources and save the world together!

“Helping Your Child Become a Responsible Citizen¹¹” is a guide for families created by the **US Department of Education**. This booklet has information about developing strong character, and then has activities for families of school-age children that include getting to know others, being of service, and learning about the people who work in their community.

Family stories are often the first history your child learns. Explore your own family history with grandparents and family members using the suggestions in **this article**¹² from the **National Association for the Education for Young Children**.

NOTES

LIST OF LINK URLs

- ¹ <http://families.naeyc.org/music-math-more/preschoolers-are-natural-mathematicians>
- ² <http://families.naeyc.org/learning-and-development/music-math-more/5-ways-build-math-your-childs-day>
- ³ <http://families.naeyc.org/learning-and-development/music-math-more/support-math-materials-your-home>
- ⁴ <https://www.zerotothree.org/resources/299-help-your-child-develop-early-math-skills>
- ⁵ <https://www.zerotothree.org/resources/series/let-s-talk-about-math-early-math-video-series>
- ⁶ <http://families.naeyc.org/child-development/play-puddle-rainy-day>
- ⁷ <http://families.naeyc.org/learning-and-development/child-development/10-tips-support-children%E2%80%99s-science-learning>
- ⁸ <http://families.naeyc.org/learning-and-development/music-math-more/toys-tools-everyday-science-experiences>
- ⁹ <http://families.naeyc.org/learning-and-development/music-math-more/explore-great-outdoors-your-child>
- ¹⁰ <http://families.naeyc.org/learning-and-development/music-math-more/going-green-home-get-your-child-involved>
- ¹¹ <https://www2.ed.gov/parents/academic/help/citizen/citizen.pdf>
- ¹² <http://families.naeyc.org/content/5-ways-keep-grandparentgrandchild-relationships-strong>