

INNOVATION/DESIGN THINKING

These resources have been collected, created, and submitted by Tri-Town educators and are designed to provide parents and guardians with ideas and resources for keeping children engaged during the school closure. These optional activities may require parent/guardian support to help navigate websites or monitor activities. Some resources may require online registration. Please select activities that you feel will be most appropriate for your family.

Activity	Description	Link or Website	Grade(s)
PBS Design Squad	Students can explore the world of science and engineering with this collection from DESIGN SQUAD NATION. Use these resources to help your students gain a stronger understanding of the design process and the connection between engineering and the things we use in everyday life. The DESIGN SQUAD NATION Collection equips students with science and math skills and lays the foundation they need to participate in engineering activities later in life.	Home. DESIGN SQUAD GLOBAL	3-6
3 Free Weeks of Maker Stations	The author, Brooke Brown, says you can share with families and on district resource sites.	MAKER STATIONS HOME PACK.pdf	K-6
30 Day Lego Challenge	A print out calendar of 30 lego challenges aimed to get kids to have fun and use their imaginations while building.	Lego Challenge	K-6
Breakout EDU	Online digital logic puzzles	Breakout EDU	3-6
Design Your Own Game	Get creative and design your own game to play using this game board template	Game Board Template	1-6
Homemade Weather Instruments	Using household materials, build a working rain gauge, barometer, and wind vane. Use this quiet time to tinker and consider how things are made.	Easy Homemade Weather Instruments for Kids	5-6
Kitchen Alarm System!	Using paper, tape, and string, design, build and test a device that warns you when someone opens the kitchen cabinet. Developing ideas that can be helpful for human beings is one of the best skills we can develop in kids. If you want to dig a little deeper, teach them about engineering design to help them plan and execute.	The Design Process	1-6