

Betsie Valley District Library

STEM KITS

NOW AVAILABLE FOR CHECK OUT!

- **Please DO NOT open kits in the Library**
- Look in the STEM Binder for information & to see all kits the BVDL has to offer
- Take your selected kit to the front desk for check out
- Check out is one (1) week with a one (1) week renewal option
- You can also read about & reserve kits online at www.betsievalleydistrictlibrary.org



This project was made possible in part by the Institute of Museum and Library Services.

Betsie Valley District Library STEM Kits Table of Contents

STEM KIT #	STEM Kit Name	Description	Rec. Ages	Box Size
1	Rock, Mineral & Fossil Discovery Collection Activity Kit	Find, sort & identify over 250 colorful specimens using identification book and sheet.	3 +	VS
2	Botley 2.0	Learn to code with screen free play!	5+	S
3	Squishy Human Body	Discover how the human body works with realistic model.	8+	L
4	Robot Turtles	Board game that teaches basic programming principles	4+	M
5	Pattern Play	Introduces patterns and spatial and geometric concepts.	3+	L
6	Square Up	2 Player visual thinking game that strengthens logic, focus and problem solving skills.	6+	M
7	Staxis	Fun way to learn planning, calculated risk taking, hand-to-to eye coordination, and special awareness.	6+	S
8	Snap Circuits, Jr.	Build 100+ electronics circuit projects.	8+	L
9	Wooden Marbles Building	Build 100s of unique constructions.	3+	S
10	Tumble Tax Marble Run	Children create daredevil designs with magnetic foam tracks and send plastic marbles through their course.	5+	M
11	QBitz Game	Game that stimulates spatial reasoning and memory skills, 2-4 players.	8+	VS
12	Quirkle	Many family games across ages using 36 colorful wooden tiles to build tactical and strategic thinking skills.	6+	S
13	Likee Wooden Pattern Blocks	Multiple shapes stitch to cultivate geometric cognition.	6+	VS
14	Makey	Connect everyday objects to your computer! Mac/PC/Chromebook	8+	VS
15	Zoomy 2.0	Egg-shaped microscope magnifies anything 54X on a computer screen.	4+	S
16	Arckit Mini Modern	Build your own contemporary modern home.	10+	M
17	Keva Contraptions 200 Planks	Hands-on experience with balance, leverage, geometry and physics.	7+	L
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19	Dive Into Shapes	Gain a deeper understanding of geometry basics with colorful shape building.	3+	L
20	Shapino	Introduction to the open source Arduino hardware-software coding.	12+	M
21	Keva Contractions 50 Planks	Hands-one experience with balance, leverage, geometry and physics.	5+	S

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Supply Kit:

Batteries:

- 5 AAA for Botley
- 1 9V battery for Snapino
- 19V Little Bits Arduino Coding Kit (Included)
- 2 AA Snap Circuit Jr.

Tools:

- Small Phillips head screwdriver to open/close battery components
- Digital Multi-meter (to check batteries and circuits)