

Our Mission and Goals

- Serve public schools serving grades 5-12
- Address the high demand for innovative, STEAM learning best practices
- Model hands-on, STEAM centered lessons with teachers and students simultaneously in the classroom setting
- Emphasize design thinking to solve a real-world challenge
- Inclusive designed for all learners
- Focus on WV Career Exploration and pathways and workforce preparation
- Provide Teachers...

- YOVIG Leachers... Embedde professional development Standards-based instruction Follow-up lesson extensions focusing on cross-curricular topics Free educational materials and technologies Resources to help guide STEAM learning beyond the initial visit

STATISTICS













Cultivating Intrinsic Motivation

STEAM learning:

- driven by curiosity and passion
- serves as a platform for exploration and selfdiscovery
- improves retention

• encourages lifelong learning habits



"I have a few students that I struggle with to engage in activities/lessons. These students became highly engaged with this activity, it was really encouraging to see these students get excited and motivated about something". Fayette County Math Teacher

BIDLEATION WYTE WHere

Promoting Positive Attitude and Self-Image STEAM learning: • fosters growth mindset • offers failure as an option and trials/iteration as a norm encourages resilience in the face of challenges celebrates diversity and individual strengths within STEAM fields (a) COLUMNIC WARE Weekland

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Scribble Bot Challenge	
Design a Wiggle-Bot to make artwork!	This is an example scribble-bot. Yours scribble-dd different!
Attach markers to your Wiggle-Bot, then let it loose on a big piece of paper or poster board!	will look different
Redesign your Wiggle-Bot to draw as many marker patterns as you can!	
Zig-Zags Loops Dashe	
dunumulaning	
MARY LEDGER	
Solid Lines Dots	Want to learn more about waves? Download the Wave Lab at
	teachergeek.com/wiggle Ages 8+











Wiggle Bot Extension Lesson	STEAT WUDE
Off to the Races!	át West Virginia University
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