

THINK LAB PROPOSAL FOR RJW

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What is a Think Lab?

Think Labs are designed to challenge students to create and learn through hands-on, personalized experiences throughout elementary, middle and high school. Here are a few of the many benefits of Think Labs.

- Providing the opportunity to innovate - Think Labs foster innovation through hands-on experimentation. Participants have the opportunity to be creative and apply personalized learning strategies to make changes to existing concepts or develop their own ideas, methods or products.
- Creating real-world applications for classroom concepts - Hands-on learning takes the concepts taught through lecture, video or textbooks and allows participants to move from an abstract concept to a real-world understanding. Participants are then able to practice creating solutions to real-world problems.
- Learning to take failure in stride - In experimentation, testing, evaluating and modifying are part of the process. Participants learn how to make failure into a learning experience and not become discouraged or frustrated when something doesn't go as planned.
- Exposing students to new opportunities Think Labs provide the opportunity to learn something new, whether it is an alternate way to approach learning or utilizing new tools and resources to reach a solution.
- Building critical thinking and problem-solving skills - The ability to think critically and effectively problem solve should be established at a young age and be cultivated over time. These skills are fundamental to and enhanced by the learning experiences in a Think Lab.
- Developing a wide range of 21st century skills - 21st century skills go beyond critical thinking and problem-solving skills. These important skills include flexibility, collaboration, adaptability, oral and written communication, information literacy, technology literacy, productivity, social skills, leadership, initiative and more. These in-demand skill sets help to develop young minds for future success.

How will it be used at RJW

- We have designated a room where we will have the Think Lab set up.
- Teachers will have the ability to use the Think Lab as a whole group reward, individual student reward, Gifted and Talented, Special Education students and General Education students.
- Teachers will be trained on the best practices for RJW

Items we would like donated

G/T Thinking Lab		Purchase Suggestions		
Item	Amazon Link	Cost per item	# of items	Total
3D Printer	https://www.amazon.co	\$2,199.00	1	\$2,199.00
Microphone for vides/podcasts	https://www.amazon.co	\$39.99	2	\$79.98
Coding Robots: Botley	https://www.amazon.co	\$73.99	8	\$591.92
Coding Robots: Dash	https://www.amazon.co	\$149.95	8	\$1,199.60
Reader's Theater Kids	https://www.lakeshore	\$59.99	2	\$119.98
Storage Bins 19L	https://www.amazon.co	\$12.39	10	\$123.90
Storage bins 35L	https://www.amazon.co	\$14.41	10	\$144.10
Lego Wall Plates	https://www.amazon.co	\$15.29	4	\$61.16
Table Storage Bins	https://www.amazon.co	\$26.99	2	\$53.98
Legos	https://www.amazon.co	\$60.00	4	\$240.00
Green Screen	https://www.amazon.co	\$161.49	1	\$161.49
				\$0.00
				\$0.00
				\$4,975.11



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