



PTO GIFTS PROGRAM

Requests for PTO Funding 2017-18 Any teacher, parent, or student who has a request for funds from the PTO must fill out this form. Please answer these questions as thoroughly as possible, providing supporting detail and information. When completed, please return to the administration at either school by **Monday, October 23, 2017**.

1. Define your request:

We are requesting technology to create drawings in 3D Space using state of the art Virtual Reality hardware and software. The VR equipment would pair with the Google Tilt Brush, offering students the opportunity to pair the fine arts with innovative 21st Century technology. HERE IS A SHORT VIDEO CLIP TO SEE THE TILT BRUSH IN ACTION:

<https://www.youtube.com/watch?v=TckqNdrdbgk>

2. Amount requested:

\$1842

3. Can this project be funded in stages? If yes, what timetable is involved? If no, please explain your due date for funds.

No, because we would need the components together in order to function. There is not due date, and if approved, we will integrate and use as soon as possible.

4. Has this request been reviewed by the school administration? What was their response as to its merit and priority?

Yes. Sheri Styczen initially sent me the website on Google's Tilt brush because she thought it would be something we might want to look into and find ways to use with our students. Unfortunately, the VR headset and PCs the District 29 currently owns do not meet the minimum specifications to support the Tilt Brush software. We also have the support of Dr. Sukenik for this request.

5. Number of Students that will be impacted or benefit from your request:

We currently plan to explore the use of this innovative software in all of our art and music classes. We also believe it can be used in the Computer Science classes, Design Studio, Tech Clubs, and Set/Costume Design for the Spring Musical. We will also demonstrate its use to all of the classroom teachers so they can learn about creating drawings in “space” and have the potential to incorporate this innovative technology into their own curricula.

6. Is this a one-time request or do you envision needing additional PTO funds in the future or long range? If you will require additional PTO funds, please explain why this cannot be added into your annual budget.

We believe this would be a one-time request; while we explore further uses of the technology in an educational setting, we can budget for future expansions.

7. What is the intended goal of your request? Would it have any other uses or applications? Is this a start-up program or is it enhancing an existing program? Use additional paper if needed.

This technology would initially be used to enhance existing programs. We are currently exploring ideas for integrating the Tilt Brush into our General Art and Music curricula as an opportunity to blend 21st Century technology with traditional artistic techniques. Eventually, we would love to see this technology create start-up programs throughout the school.

8. What are the long-range benefits of your request?

We feel it is important to expose students to innovative technology that has the potential to capture their ideas in ways they could not have done before. This is truly an innovative art tool as drawings can be created in open space. Students can walk about what they draw and see it from all angles. They can work on collaborative drawings and shared virtual environments. This type of creative technology has the potential to influence the way students think about the world around them and make changes in ways we don’t even understand yet. The benefit of introducing this technology to some of our students for use in their futures is immeasurable.

9. If you are requesting a capital asset/investment, please provide a minimum of two options/pricing quotes on the item and attach to this form. Please identify your first choice and why.

Option 1 (All components purchased separately)

Tilt Brush by Google \$19.00

HTC Vive + Controllers \$599.00 //www.oculus.com/rift/

PC that meets minimum requirements to run HTC Vive (especially the graphics card which is typical of gaming PC but not regular run of the mill PC: \$1,300
<https://www.vive.com/us/ready/>)

TOTAL: \$1920

Option 2 (Bundled Purchasing)

Tilt Brush by Google \$19.00

ASUS 15.6-inch Full HD Gaming Laptop, 7th Gen Core i7, GTX 1060 3GB 16GB DDR4 RAM, 128GB SSD + 1TB HDD & HTC VIVE – Virtual Reality System Bundle: \$1823

TOTAL: \$1842

We prefer this option. Based upon our research, the bundle will meet our needs better than separate purchasing and is a more frugal option!

10. Have you exhausted all other funding options before coming to the PTO Gifts Program?

Yes.