

**RISD
Hamilton Park
3D Pilot Program**

Texas Instruments DLP® projection technology earns high marks from classroom teachers in pilot tests

3D Displays Create Greater Student Enthusiasm and Higher Scores



Ask almost any teacher and you'll get a consistent viewpoint: abstract concepts are often the most difficult to convey and explain – particularly in lower grades. And for students, these topics can be among the most challenging lessons to grasp – often leading to frustration and disengagement. Now, thanks to advanced DLP projection technology from Texas Instruments, classrooms are harnessing the power of 3D projection to take a variety of lessons to entirely new levels – literally adding a new dimension that creates engaging and effective instruction on challenging subjects.

The DLP 3D display captures the attention of students – bringing the “wow” factor from the movie theater to the classroom - and creates an immersive environment in which students can learn more and retain that information from clear and vivid presentations.

A 3D-ready DLP projector typically costs no more than a standard 2D projector used in classrooms today and, unlike other 3D technologies, only one projector is needed to create vivid 3D imagery. DLP 3D-ready projectors – available from a wide variety of manufacturers - function normally as regular 2D projectors and switch to play 3D content and back again.

“Their understanding of these abstract concepts just blossomed”

Hamilton Park, a K-6 school in Dallas attracts students from across the Richardson

Independent School District boundaries, drawn to its unparalleled academics, leadership, and innovation. For third-grade teacher Brittany Russo, the Classroom3® 3D lessons from JTM Concepts lessons in symmetry and volume

What Students Say About Texas Instruments' DLP 3D Technology

- ***“It gives you education in a fun way.”***
 - ***“How can you not pay attention when it's coming right at you?”***
 - ***“I'm able to visualize. I understand more than in a textbook.”***
 - ***“If you see every angle, you get more of an idea of what it is. You understand better.”***
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were an ideal complement to her use of manipulatives, computer clips, examples, and group work. “The students just LOVED this,” she said. “It can be hard to keep kids’ attention – there are only so many pictures you can show before some kids get bored or frustrated.”

My kids are especially ‘hands-on,’ and weren’t getting these concepts when we looked at them on paper. But when we taught the same material in 3D, their understanding of these abstract concepts just blossomed. Some of my students who used to have a hard time finally grasped the concepts and enjoyed learning. They were excited to do the pages in the workbook because they actually understood the material.



The classroom environment also changed when we handed out the 3D glasses from Xpand. The kids commented that they felt like they were transformed into futuristic robots and liked the high-tech feel of wearing the glasses.”

“One of my students actually said to me, ‘We are actually having fun while learning – that never happens.’ And our post-lesson test scores had the best averages – and I was the only one using the 3D lessons - so you’d have to say the 3D display had a great impact on their learning.”

Principal Megan Timme underscored Russo’s observations. “I believe the kids are more engaged because they are able to take abstract concepts and make them more concrete in their minds. An engaged child is a successful child.”

Another Hamilton Park teacher added, “This is one of the most beneficial tools we’ve ever had. They actually paid attention because it was neat. They’re learning and they’re having fun.”

DLP technology uses millions of microscopic mirrors that reflect light to create a stunning picture for the best projectors on the market. This imaging technology is so fast, it can actually project TWO images on the screen at the same time: One for the left eye and one for the right eye. Then 3D glasses combine the two images to create an amazing 3D effect. DLP 3D technology is available from a wide variety of projector manufacturers.

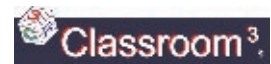


Classroom3® is a library of 3D simulations for K-12 created by JTM Concepts, Inc., located in Rock Island, Illinois. You can read more about the results achieved using Classroom3® 3D simulations in the Texas Instruments Case Study. For more information on Classroom3®, please contact Tracey Masamoto at 309.794.1057 or visit their website at www.jtmconcepts.com.

Sharp projector model PG-D3010X was used in this program.
www.sharpusa.com

XpanD was created by industry veterans in theatrical exhibition, entertainment, film production & distribution, and specialty film and digital technologies and is funded by a European investment fund. This broad range of professional entities are the driving force in creating the ultimate Digital 3D experience. Learn more at www.xpand3dtv.com.

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