

## “Make and Understand – 3D Workshop” Sony Science Program at Oshio Elementary School (July 5, 2012)

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On June 19, 2012, the Sony Science Program was held for fifth grade and sixth grade students of Oshio Elementary School in Higashi-Matsushima City, Miyagi Prefecture. This was made possible by the support of the Great East Japan Earthquake Reconstruction Support Project of **RESTART JAPAN** with the cooperation of Sony Corporation and Save the Children. On this occasion, which was the fifth time since last year, engineers from Sony taught the “Make and Understand – 3D Workshop” while conducting experiments as a part of science experiment classes. Everyone could experience images using optical illusions on a big screen. While looking at the still images that should not be moving, the children seemed to be wondering why, shouting, “It’s moving like a wave!” “I can see it spinning in circles!”



The engineer (playing a role of doctor) taught the children that when people look at different things with their right and left eyes, depth is felt in the brain. After this, everyone made 3D mirror goggles. The position where the mirrors are pasted is very important to be able to see well in three dimensions. While listening to the explanations of the engineer, everyone together with the experiment support staff made their own exclusive 3D mirror goggles. The children who finished making their goggles early decorated them neatly and stylishly with stickers and pens.



We had a look at group photographs of everyone and photographs of building blocks taken in advance with the completed 3D mirror goggles. The children who could see well in 3D were very excited, saying “I could see it!” “I can see the people in front really jump out!” The children who could not see well in 3D tried looking at various pictures while adjusting the angle of the mirrors. The children received certificates from the engineer and the 90 minute class was over in the blink of time. During the rest period, the children watched images of themselves taken with a 3D camera on a 3D television and enjoyed grading their smiles with a system utilizing technology that detects the smiles of people used for digital cameras.



In the future, **RESTART JAPAN** will continue to run the Sony Science Program as an opportunity for children to think about the future through various experiments and experiences held at schools in the disaster-hit areas.