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Annotated Bibliography

Brewin, Bob. "Computational Origami." *Computerworld*. N.p., 10 May 2004. Web. 13 Jan. 2015.

This website discusses computational origami- the practical uses of origami in the modern world. These innovations help in various fields to model or even improve prototypes. Scientists can also use origami to take a large surface and fold it to compact it to a flat space for a variety of uses. The article discusses some of the uses more in depth giving examples of scientists and mathematicians that use the art to further their inventions.

For the most part of human history, origami was solely used as an art form since there existed no way to document the folding patterns. It has only been recently that the study of origami has expanded to include the fields of math and science. Scientists are able to use the folding patterns from origami to better their techniques and create more flexible and sensible technology.

Main, Douglas. "From Robots To Retinas: 9 Amazing Origami Applications." *Popular Science*. N.p., 7 Aug. 2014. Web. 13 Jan. 2015.

This article specifically talks about applications of origami in the scientific world, giving 9 examples. The author takes each example and talks about its use in the world today and then explains how origami has been crucial in the creation of each device. From outer space vehicles and energy harnesses, to robots, to the human body, each of these applications has been a significant aide in their understanding and improvement of the world and beyond.

Each of the examples stated in the article utilizes origami at its core. The reason these devices work in the efficient way they do is because of origami. Scientists use origami to improve these products and to improve the technology of the world. These examples are just a few that are present in the world. Robert Lang even talks about how no matter where you look you will always see origami around you.

"Science, Mathematics, and Technology." *Robert J. Lang Origami*. N.p., 2015. Web. 13 Jan. 2015.

This website discusses the connection between origami and each of the fields within science including mathematics, technology, and computation. Each page goes further in depth talking about the use of origami in each field. However it acknowledges the overlap between each. The website talks about important laws and programs that are used in origami based on the field it lies under. It also talks about the physical purposes of origami that stand out in history technologically.

Origami can be broken down into many different fields. Focusing just on the scientific part of origami still leaves a big chunk to be investigated. Breaking it down even further into mathematics, computation and technology, it is possible to better understand origami beyond the artistic sense that it was originally purposed for. Each of these fields utilizes origami in a unique but somewhat overlapping way. Origami and each of the fields relies on one another for their enhancement and development.

Varrasi, John. "How the Future of Origami Engineering Is Unfolding." *LiveScience*. TechMedia Network, 13 Dec. 2014. Web. 14 Jan. 2015.

This article specifically focuses on one branch of science- engineering. The use of origami for engineering is very complex and can be used in many ways. Engineers have been able to get the paper to move using various methods besides physically moving the paper and have been developing this method for remote use. They also use origami to make complex seeming tasks simpler. The article also discusses the expansion of the field of origami engineering.

The art of origami has been taken to a whole new level when introduced to engineering. Not only has origami developed but engineering has also been transformed to include stable materials that can be manipulated easily based on creases and folds. Projects that were otherwise unsolvable can now use origami to easily produce a solution. While it has never been thought of a stable field in the past, origami is taking a hold on every part of society.