

Materials World Modules?

Smart Sensors. What are they?

Where can you find them?

Why are they useful?



Activities

With this module, you'll ask your own questions and find your own answers about a material called polyvinylidene fluoride, or PVDF, which is used in devices known as smart sensors. Use the activities to learn how to construct and operate smart sensors with PVDF. Talk with your classmates about what you learned.



Design Projects

Once you know something about smart sensor materials, you'll use what you've learned from the activities to design your own sensing device. You'll test the device, too. Does it have the right sensitivity? Will your sensor function the way you want it to?

You're the scientist.

Tell us about your success.

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***All life is an
experiment.
The more
experiments
you make
the better.***

Ralph Waldo Emerson,
American writer

