



Smarter Charts for Math, Science, and Social Studies: Making Learning Visible in the Content Areas

Kristine Mraz, Marjorie Martinelli

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- *Problems with the charts in your math kit?*
- *Want to discover the science of content-area charts?*
- *Wish you could make pre-fab social studies charts history?*

Then you're ready for *Smarter Charts for Math, Science, and Social Studies!*

In the original *Smarter Charts*, Marjorie Martinelli and Kristi Mraz helped you turn classroom literacy charts into teaching powerhouses. Now they show how to turn up the instructional energy on content-area charts, too.

"No matter what area of the curriculum, clear visuals, simple language, and constant reflection on charts are key to helping children gain independence and agency."

You don't have to be a graphic designer or a subject-matter expert. In *Smarter Charts for Math, Science, and Social Studies*, Marjorie and Kristi share how they learned to make truly effective content-area charts with students. You'll turn complex ideas into kid-friendly visuals, help children internalize content processes, and even increase your instructional time.

"The more we charted, the less repeating we did and the more teaching was possible."

With dozens of examples from the content areas, including full-color photographs, the Chartchums reveal step by step how to create charts that show Routines, Genres and Concepts, Processes, Repertoires of Strategies, and Exemplars. Then their "Charts in Action" sections show how each type of chart builds engagement and improves independence as it gradually releases responsibility to learners.

Don't be content with content-area charts made by someone else for generic students. Turn to Marjorie and Kristi for charts that make learning visible for the students in front of you, no matter what the subject.

Check out these videos from the authors!

Kristi Mraz and Marjorie Martinelli Show Us the Tools for Smarter Charts

Chart tips from the ChartChums: Part 1 Drawing People

Chart tips from the ChartChums: Part 2 Icons

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Charles Lee:

Why don't make it to be your habit? Right now, try to ready your time to do the important take action, like looking for your favorite guide and reading a guide. Beside you can solve your long lasting problem; you can add your knowledge by the book entitled Smarter Charts for Math, Science, and Social Studies: Making Learning Visible in the Content Areas. Try to face the book Smarter Charts for Math, Science, and Social Studies: Making Learning Visible in the Content Areas as your pal. It means that it can for being your friend when you really feel alone and beside associated with course make you smarter than before. Yeah, it is very fortunated to suit your needs. The book makes you more confidence because you can know everything by the book. So , let us make new experience along with knowledge with this book.

Joshua McIntosh:

As people who live in often the modest era should be change about what going on or data even knowledge to make them keep up with the era which can be always change and make progress. Some of you maybe may update themselves by looking at books. It is a good choice in your case but the problems coming to anyone is you don't know what type you should start with. This Smarter Charts for Math, Science, and Social Studies: Making Learning Visible in the Content Areas is our recommendation to cause you to keep up with the world. Why, as this book serves what you want and need in this era.

Michael Marx:

Reading a guide tends to be new life style in this particular era globalization. With reading you can get a lot of information that may give you benefit in your life. Along with book everyone in this world may share their idea. Ebooks can also inspire a lot of people. A lot of author can inspire their particular reader with their story as well as their experience. Not only situation that share in the ebooks. But also they write about advantage about something that you need case in point. How to get the good score toefl, or how to teach your children, there are many kinds of book which exist now. The authors on earth always try to improve their expertise in writing, they also doing some research before they write to the book. One of them is this Smarter Charts for Math, Science, and Social Studies: Making Learning Visible in the Content Areas.

Mario Davis:

Spent a free time for you to be fun activity to complete! A lot of people spent their spare time with their family, or their friends. Usually they doing activity like watching television, gonna beach, or picnic in the park. They actually doing ditto every week. Do you feel it? Would you like to something different to fill your personal free time/ holiday? Could be reading a book may be option to fill your totally free time/ holiday. The first thing that you will ask may be what kinds of reserve that you should read. If you want to try look for book, may be the guide untitled Smarter Charts for Math, Science, and Social Studies: Making Learning Visible in the Content Areas can be great book to read. May be it is usually best activity to you.

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