Thoughts on a teaching philosophy.

I am sorry that I have to communicate this way, but I hope this is helpful.

First, and probably most important—be honest. You don't really want to wind up in a department where you will feel like an outsider and everyone thinks your teaching style is strange. Most departments have their own personalities and they get that way by hiring people like themselves. If you like to lecture at a board, say so. If you like to use calculators, say so. If you like glitzy Power Point, say so. A bland teaching philosophy will offend no one, but it will attract no one either.

That said, I think it is important for most places that care about teaching (and this includes about 99% of the available jobs) that you indicate that you also care about teaching and have thought about the issues involved with being a good teacher. What reading have you done that has inspired you to be a better or different teacher? What do you think are the issues that are relevant to teaching today? Have you made up your mind on any of these issues?

I think it is also worthwhile to indicate that you have tried teaching in different ways. No one really expects a first-year faculty member to have a fully-developed teaching style, but when I was on hiring committees I liked to see that the candidates had done at least some modest experimenting. I think it is perfectly reasonable to say something like, "I was taught this way and it is works well for most students, but I still think I can find something better. So far, when I tried xxx and yyy, neither worked very well for me, but I am continuing to try and improve."

Some books you might want to look at:
How People Learn, put out by the National Research Council. (2000). It has an extensive list of references which you could follow up on. {I trust you all know how to use Web of Science on the database site of the library. Very easy to view summaries of papers and see who has cited what. For many papers, can download the entire thing.}
The Psychology of Learning Mathematics, by Richard Skemp. (1971, revised about 1990). My personal favorite, but old.
Some of the books used for Math 390. [I loaned all of my books to Ali Dad-del. You can check with him.]