

# WhyCS



Print and cut up these cards to use during the activity.



UCI IRVINE

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We should teach CS because...



...computational thinking will be key no matter what career youth end up in.

We should teach CS because...



...computing may provide our youth with more and better career opportunities to choose from.

We should teach CS because...



...it will strengthen our local economy by attracting companies looking for technologically competent workers.

We should teach CS because...



... there is a shortage of engineers and programmers that needs to be filled.

We should teach CS because...



...political and cultural participation are increasingly shaped by computing and our students need to understand social impacts of tech.

We should teach CS because...



... youth shouldn't just be consumers but also producers of technology.

We should teach CS because...



...being a good citizen in the 21st century will include digital citizenship.

We should teach CS because...



...informed citizens need to understand the basics of how the technological world works in order to contribute productively to society as a whole.

We should teach CS because...



...technological innovation helps promote human flourishing - the next generation needs to know how to do it!

We should teach CS because...



...it's important that people in our local community be equipped to address their own problems through having technologically fluent community members.

We should teach CS because...



...the more people we have that understand computer science, the more innovations and new knowledge we can produce as a society.

We should teach CS because...



...we need to produce scientific and technological innovations that solve 'wicked' problems such as climate change or cyber-security.

We should teach CS because...



...it can promote systems thinking - the ability to understand and intervene in complex systems that are ubiquitous in our world.

We should teach CS because...



...computing provides youth with the ability to express themselves creatively and have voice.

We should teach CS because...



...it has students engage in design thinking - identifying problems and then prototyping, testing and iterating on solutions.

We should teach CS because...



...knowing how to code is a new form of literacy.

We should teach CS because...



...computing provides youth with the ability to express themselves creatively and have voice.

We should teach CS because...



...the process of tinkering and making can lead to wonder, discovery and enjoyment.

We should teach CS because...



...being able to understand and make technologies gives kids power and agency.

We should teach CS because...



...creating new technologies like apps, websites or robots is fun!

We should teach CS because...



...there are major disparities in minorities' and young women's engagement in STEM fields and universal CSed is part of addressing that.

We should teach CS because...



...it will level the playing field and help close the "digital divide" and "participation gap" around tech for lower income youth.

We should teach CS because...



...our technology is largely designed by economically, racially and socially privileged groups, and their biases and blind spots get embedded in our tech. CSed can help.

We should teach CS because...



... not all tech will be in the best interest of our students - they'll need be able to think critically about technology platforms. It's a "program or be programmed" world out there!

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because...



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...practices from CS might enhance student learning of traditional academic disciplines (e.g. - introducing computer simulation of an ecosystem to learn concepts in ecology, or using CS concepts to learn algebra).

We should  
teach CS  
because...



... teaching CS is a compelling new area that teachers are interested in and is a place where they can experiment with pedagogy.

We should  
teach CS  
because...



...CSed often uses project-based learning approaches that can enhance school pedagogy and move away from sage on the stage approaches.

We should  
teach CS  
because...



...making technology is fun, so bringing CS to schools can increase student engagement.