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***Useful Links***

**WI CS Teachers Google Group:** to join contact Joe Kmoch at <joe@jkmoch.com>

**PUMP-CS Professional Development:** < <https://pumpcs.mu.edu>>

**WI CS K-12 standards:** <<http://bit.ly/wi-cs-standards>>

**Join CSTA:** [http://csteachers.org](http://csteachers.org/) and click on Membership tab at the top (free membership continues to be available)

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**Free Practice for Praxis CS Exam from CompuScholar**

CompuScholar is offering two of their courses and study guides which should prepare you to take the Computer Science Praxis Exam (5652) in Wisconsin.  This is entirely free of charge and offered by CompuScholar in conjunction with the CSTA WI-Dairyland.  The courses are online, self-paced and self-study, so you can get started at any time and take up to 6 months to complete them. Here is the registration link:  <https://www.compuscholar.com/schools/standards/states/wisconsin/praxis>

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**WI CSForAll Coalition**. This is a state-wide effort facilitated by Sean Roberts, Director of State Government Affairs, Code.org to broaden participation in computer science within K-12. This group is currently meeting regularly to support legislation that is being shepherded into and through the WI legislature. This legislation has three goals

* Fund PD for CS Teachers
* Create a State CS Position at DPI
* Create a State Plan for Computer Science

The Coalition is working to provide significant support for this legislation once it is introduced into committee and eventually into the full legislature. This Coalition is comprised of teachers, post-secondary institution representatives and currently 70 organizations including many large, medium and small businesses plus other community organizations. See <http://bit.ly/csforwi-orgs> for a current list.

Already we have introduced a letter writing campaign which appeared on our WI-CSandIT-Teachers Google Group. There is still time to submit a letter of support. Contact Joe Kmoch <joe@jkmoch.com> for further information.

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**UW Madison offering Java Instruction**. Andy Kuemmel announces that UW Madison will be able to run virtual support this spring for Wisconsin Computer Science teachers who want to learn Java.

Andy will be leading this several session workshop and will use the CSAwesome curriculum.  An undergrad completing a Directed Study with Andy will run weekly Skype sessions, answer posts on discussion board and help teachers debug their code. This is meant as a continuation of the January workshop at UW-Madison, but please join in if you’re even a bit familiar with the first four chapters of the CSAwesome curriculum <http://csawesome.org>

The support workshops will run through February, March, and April, 2020.  Andy will cover one chapter per month from the CSAwesome curriculum:

February:  Unit 5 Writing Classes

March:  Unit 6 Arrays

April:  Unit 7 ArrayLists

If you are a new AP CSA teacher, and would like to join the cohort, you are welcome, but keep in mind that we will not be answering questions about AP CS A curriculum topics such as inheritance, recursion, and the AP CSA Labs.

You may sign up for the support sessions with this Google Form:  <https://forms.gle/Sj9PkmarCVhvg3tg6>

Feel free to write kuemmel at wisc dot edu if you have any questions.

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**Virtual Meetings about Teaching CS.**

You are invited to join in any hangout our PUMPCS Team is facilitating.

Here is the schedule and links for virtual meetings for the remainder of the school year. The first ones are the week of Feb 2, 2020

[Virtual Meetings](https://docs.google.com/document/d/115A-J-Tm0Z2FhrAcctFzkunnis5TlJJeFrlYKG2ZYhQ/edit?usp=sharing) or <http://bit.ly/pumpcs-virtual-meetings-spring2020>

The ECS meetings are for anyone that needs support in ECS or has an interest in discussing Introduction to Computing classes or topics.

The APCSP meetings focus on support for CSP and preparing for the AP test.  We also discuss strategies and activities to use in class to meet the needs of all students.

The exact topics/discussions in the virtual meetings depend on who logs in and the questions that they have.

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**The Marquette University Computer Science Competition** will be held on Wednesday, April 15, 2020. Student teams register in one of three divisions – Scratch, Java or APCS Principles. Last year, 2019, over 400 students representing 35 high schools within 3 hour driving distance of MU participated.

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**PUMPCS Summer Workshops**

We’re excited to let you know that applications for Computer Science professional development opportunities hosted by PUMP-CS Project at Marquette are now open!

In **Green Bay,** WI from July 20-24, 2020:

Workshops in Exploring Computer Science (ECS), Project GUTS (Middle School Science modules), Code.org CS Discoveries and Code.org CS Principles

In **Milwaukee**, WI from July 27-31, 2020

The same workshops in Green Bay plus Beauty and Joy of Computing (BJC).

A flyer more completely describing each of these programs is available at

<http://pumpcs.pbworks.com>

Please go to <http://pumpcs.mu.edu> to register for any of these workshops.

Scholarships are available to cover program costs, thanks to generous support from [Code.org](http://Code.org), National Science Foundation, and others.

For additional information, please visit:

·         **Marquette’s PUMP-CS Project website:** <https://pumpcs.mu.edu/>

·         **Exploring Computer Science:**<http://www.exploringcs.org/>

·         [**Code.org**](http://Code.org)**’s CS Discoveries:** <https://code.org/csd>

·         **Project GUTS:**<http://www.projectguts.org/>

·         [**Code.org**](http://Code.org)**’s CS Principles:** <https://code.org/csp>

·         **Beauty and Joy of Computing:**<https://bjc.berkeley.edu/>

Marquette also offers no-cost workshops for [Code.org](http://Code.org) CS Fundamentals teachers (grades K-5) throughout the year.  Contact us for more information!

Prof Dennis Brylow, CS Professor at Marquette University, will again be offering a full selection of week-long workshops during the week of July 27-31, 2020 on the campus. These will include Exploring Computer Science (ECS), Beauty and Joy of Computing (BJC) and the several flavors of Code.org curricula: Fundamentals (K-5), CS Discoveries (7-9) and Computer Science Principles (10-12). More information on these and other summer workshops in other parts of Wisconsin will be available shortly into 2020. If you are signed up for the WI-CSandIT-Teachers Google Group (over 680 members currently) you will receive this and other useful information throughout the year.

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**Sixth Annual WI Computer Science Education Summit**

Plans are being developed for our 6th summit which will be in October or November, 2020. The likely location is UW-Stevens Point. PUMP CS at Marquette University and CSTA WI Dairyland are again providing support.