

---

# THE FLIPPED CLASS CONFERENCE

JUNE 16-18, 2011

---

8:00 a.m. - 4:00 p.m.

Woodland park high School

151 N Baldwin St

Woodland Park, CO 80863

---

REGISTER AT:

[HTTP://VODCASTING.NING.COM/EVENTS/THE-FLIPPED-CLASS-CONFERENCE](http://vodcasting.ning.com/events/the-flipped-class-conference)

---

BROUGHT TO YOU BY

---



---

WOODLAND PARK  
SCHOOL DISTRICT RE-2



**Peak Educational Consulting**

## KEYNOTE SESSIONS

---

### **Introductory Keynote**

Join the pioneers of the Flipped Classroom as they open up the conference with insight into the Flipped Classroom. Why did they decide to flip? What has changed as they have Flipped. (Jonathan Bergmann & Aaron Sams)

**Friday Morning Keynote:** Join a group of flipped students from Woodland Park High School for a panel discussion about the flipped class.

**Saturday Morning Keynote:** Join the whole team of trainers for a panel discussion about the Flipped Class..

### **Final Keynote: Looking Ahead: The Future of the Flipped Class**

Where is the Flipped Class Heading? Where do we see this going? (Jonathan Bergmann & Aaron Sams)

## GENERAL SESSIONS

---

### **History of the Flipped Classroom** (Jerry Overmeyer)

Jerry will discuss how the Flipped Class was born and take you through its evolution. Starting with two distinguished, yet humble, teachers in Woodland Park to the viral sensation of the Khan Academy, Jerry will show how in less than 5 years, technology is making flipping the classroom more realistic for more educators

### **My First Year as a Flipped Teacher** (Brett Wilie & Jason Kern)

Join a science and an economics teacher as they walk you through their first year as Flippers. Learn from their triumphs and their failures.

### **From Animoto to Zimmertwins: Students as Producers of the Web** (Deb Wolf)

This session will look at a wide variety of web2.0 tools including Animoto, Glogster, History Pin, Google Story Search, Prezi and others that allow students to collaborate, communicate, and create as a way to demonstrate understanding. One question that is always asked when we talk about the flipped classroom, is "what is the best use of class time?" I would argue that students need to demonstrate understanding of content and by using these web2.0 tools, students are able to have class time to go beyond a basic understanding of content and really master it at a deep level. These web2.0 tools and 21<sup>st</sup> century skills can be combined together along with the flipped classroom for powerful teaching and learning.

### **Every Student's Success: Accommodations in the Flipped Class** (Brian Bennett)

While the flipped classroom allows for differentiation, there will still be students that struggle in any content area. How can you effectively work with those students in danger of failing a class? We will discuss accommodations that are natural and work effectively in a flipped setting to ensure that every student is given the opportunity to achieve their fullest potential.

### **Conceptual Framework and Research** (Jerry Overmeyer)

What does research say about the Flipped Classroom? Jerry will talk about the benefits of mastery learning and the flipped classroom starting with ideas conceived in the 1960's to the challenges facing teachers and students in the digital age. Power Point slides will be provided to participants to take home and "convince" administrators of the advantages of the flipped classroom.

### **Mastering the Chaos: The Flipped Classroom and Mastery** (Jonathan Bergmann & Aaron Sams)

Flipping your class can create an environment where teachers can incorporate Mastery-Learning in the Classroom. How do you set up a Flipped-Mastery classroom and how do you manage the 3-ring circus of learning.

### **Effectively Pacing a Flipped Class** (Brian Bennett)

With the ease of content accessibility, it can be very easy to fly through content for the sake of getting the content in. It is easy to skip over the supplemental work that will encourage critical thinking and problem solving. This workshop will give strategies for making sure you continue to include supplemental activities and will include activities that can be used across content to encourage higher-order thinking in a flipped classroom.

### **Flipping is not about videos and technology** (Brett Wilie)

Brett will lead an interactive, open ended discussion about how the Flipped Classroom is not just about the videos: He will share how to best use the RIGHT tool for the right job. He has a passion for not using technology just for the sake of technology.

### **Camtasia for Mac** (Dan Spencer)

Camtasia for Mac and iTunes Techsmith's Camtasia for Mac is an easy to learn and apply screencapture tool for the Mac user. Come learn the basics of this powerful software and how it can be used with iTunes to create a free library of course content for your students.

### **Online Grading** (April Gudenrath)

As an English teacher, I know what a hassle grading can be. But technology can make your job much easier. Research shows that writer's conferences have the largest impact on student writing, but with 30 + students – is it possible? . By using online tools such as Jing, Moodle, and Camtasia, you can create tutorials as well as provide verbal feedback for students on a one on one basis.

### **How Web 2.0 Tools Can Help Advance Your Pedagogy** (Jason Kern)

It's not about the tools, it's about how they can help you achieve your pedagogical goals. We all know that the skills that students need today are evolving. Do you want to teach your students skills such as collaboration, reflection, writing, synthesis, creation and efficiency? Learn how we have used screencasting tools, blogs, Livescribes, podcasting software and Google Apps to advance our pedagogical goals. Also learn how these tools can be accessed through the mobile web and how easy they are to embed into your LMS.

### **Making Literature Come to Life** (April Gudenrath)

Flipping the classroom looks a little different in English, but it does work. In fact, the discussions are deeper and more focused. It is also a great RTI (Response to Intervention) tool and can help students who have a hard time focusing in class. Using such tools as Prezi and Camtasia to record basic overviews, teachers have more time to teach what they love- literature.

### **No Moodle, No Problem: Delivering Online Content for Free and Fun** (Deb Wolf)

In this session, we will look at a wide variety of resources available free on the web for teachers to provide students 24/7 access to content. If your school does not provide course management tool you can still provide your students access by using the web. We will explore the use of wikis, blogs, Edmodo, etc. for hosting your content. Additionally, we will explore other web2.0 resources that can enrich your classrooms with engaging ways for formatively assessing student understanding.

### **Moodle Question Banks and On-line Assessment** (Phil McIntosh)

In this seminar, you will learn how to organize a Moodle question bank for use in constructing randomized on-line quizzes. You will learn how to write your own questions in a variety of formats (multiple choice, essay, fill-in-the-blank, numerical, matching, and others). Techniques for importing large sets of questions from ExamView or other Moodle installations will also be discussed. Once the basics of question formatting and categorization are covered, you will learn how to set up an effective on-line quiz and analyze the results. Save yourself some time and headaches by avoiding common question bank and quiz mistakes.

### **Mobile Devices - Getting Screencasts into Kids Hands** (Dan Spencer)

The power in Mastery Learning is in allowing kids to learn at their pace and on their schedule. Handheld devices such as smartphones and iPod Touches allow anytime access to your course content outside of school. In addition, many students already own their own device which reduces costs for schools. Come see how these devices can be leveraged to allow students to learn at their own pace beyond the four walls of your classroom.

### **Monitoring and Measuring Learning in the Flipped Class** (Phil McIntosh)

How do we know when learning is taking place? Testing is not the solution (although it's a part of it). In this session Mr. McIntosh will present some of the methods he has found to be successful in assessing learner progress in middle school math. He will explain a pre-test/post-test method that provides numerical data on growth of knowledge and skill, and outline methods of formative assessment that work (as well as some that don't). The methods are designed to meet the unique challenges of the flipped class where learners are working at their own pace and are not all doing the same things at the same time. Topics will include written assessment, on-line assessment, formative assessment, personalized learner performance reviews, and learner self-assessment.

### **Making Videos that Students will Enjoy** (Staff)

There will be several sessions embedded throughout the conference on how to make videos for students. These sessions will be hands on and taught by the whole staff.

## INSTRUCTORS FOR THE FLIPPED CLASS CONFERENCE

---

**Jonathan Bergmann** has been an educator for 25 years and holds a masters degree from the University of Colorado in Instructional Technology. He currently teaches science at Woodland Park High School in Woodland Park, Colorado. In 2002 he was awarded the prestigious Presidential Award for Excellence for Math and Science Teaching. He is a national board certified teacher in Adolescent and Young Adult Science. In 2009 he was named a semi-finalist for Colorado Teacher of the Year. He along with Aaron Sams are the pioneers of the Flipped Class Movement and have just completed a book about the Flipped Class which should be published in the Fall of 2011.

**Aaron Sams** has been an educator for 12 years. He currently teaches science at Woodland Park High School in Woodland Park, Colorado where his peers consider him to be an innovator in the implementation of technology in the classroom. He has taught many staff development courses, primarily in the area of technology integration. He was awarded the 2009 Presidential Award for Excellence for Math and Science Teaching. Aaron recently served as co-chair of the Colorado State Science Standards Revision Committee. He along with Jonathan Bergmann are the pioneers of the Flipped Class Movement and have just completed a book about the Flipped Class which should be published in the Fall of 2011.

**Philip McIntosh** ([mistermcintoshsays.org](http://mistermcintoshsays.org)) holds a B. Sci. in Chemistry and Botany from Texas State University and master's in Biological Science from the University of Texas at Austin. This is his 8<sup>th</sup> year of teaching middle school math and/or science in Colorado and he is now a "Head Learner" for seventh grade pre-algebra and algebra classes at Challenger Middle School in Colorado Springs. Mr. McIntosh began using the flipped model in 2010. He uses pre- and post-tests to gauge learning, makes instructional videos, and has extensive experience using Moodle for course management and assessment. His writing appears in professional and popular publications and he authors a mycology blog at [MycoRant.com](http://MycoRant.com).

**Jason Kern** is the Director of Technology at The Oakridge School in Arlington, TX. Jason has been an educator for 14 years. He is the curator of [TEDxYouth@Metroplex](mailto:TEDxYouth@Metroplex), a Google Certified Teacher, a Powerful Learning Practice Fellow as well as a state championship coach. He has also presented at and/or served on the planning committee for several conferences including Educon, SummerSpark, ISAST and ISAS Teacher Conference.

Jason went back into the classroom this year to help implement a flipped Economics class to seniors. He has also trained Middle School science and math teachers to begin to flip their classrooms.

**Brian E. Bennett** is an international educator with a passion for teaching students how to learn in a dynamic learning environment. He values meaningful lessons and student-created content and materials and he is constantly looking for new ways to help students grow into productive, 21st century citizens. Currently, he teaches general chemistry using a flipped-mastery model and have given presentations to educators on the philosophy and methodology of a flipped class in South Korea, Malaysia and the United States.

**Brett Wilie** lives in Waxahachie, Texas and came to education through a roundabout manner. He has been a pilot for American Eagle Airlines, an Invasive Cardiovascular Specialist, and a science teacher. He currently teaches at a private school. He is a member of ISTE and has been nominated for TechSmith's 20 Educators to Watch project. He has been flipping his class for one year.

**Deb Wolf:** is a teaching veteran of 23 years, She has taught everything from biology to math but her passion is chemistry. She has a BA in Biology from Augustana College and a MS in Chemistry Education from SDSU. She currently works for the Sioux Falls School District. She has a strong interest in technology and has worked for Texas Instruments training teachers in the use of graphing calculators and probeware. She flipped her chemistry classroom beginning in 2008-9 school year. Currently, she facilitates a grant for 35 math and science teachers training them in mastery learning, 21<sup>st</sup> century skills and tools.

**Jerry Overmyer** is the Mathematics and Science Outreach Coordinator for the University of Northern Colorado. He has teaching experience in secondary and college mathematics and provides expertise on quality technology resources for teachers. He is currently working on his doctoral dissertation on the effects of the flipped classroom on student achievement.

**Jason Kern** is the Director of Technology at The Oakridge School in Arlington, TX. Jason has been an educator for 14 years. He is the curator of TEDxYouth@Metroplex, a Google Certified Teacher, a Powerful Learning Practice Fellow as well as a state championship coach. He has also presented at and/or served on the planning committee for several conferences including Educon, SummerSpark, ISAST and ISAS Teacher Conference. Jason went back into the classroom this year to help implement a flipped Economics class to seniors. He has also trained Middle School science and math teachers to begin to flip their classrooms.

**April Gudenrath** started out her education career in technology – corporate training for such companies as HP, Oracle, USAA, and Wal-Mart. She has also been an adjunct professor for several colleges teaching several types of technical and communications courses. With her transition into public education, April brought technology with her and has never looked back. She has been a teacher in Academy District 20 for eight years. During that time, she has been department chair for the English department, on the planning committee for the Discovery Canyon High School, an IB Diploma Years teacher as well as a Theory of Knowledge teacher and examiner for IB worldwide. She is also an expert in standards based grading.

**Dan Spencer** lives in Grass Lake, MI and is currently the Educational Technology Consultant for the Jackson County Intermediate School District. Before that he taught junior high physical science for three years in American Fork JH (Utah) and chemistry, physics and engineering in Michigan Center HS (Michigan). For the past six years he has experimented with different models of layered curriculum, differentiated instruction, and mastery learning. Hand-held devices such as the iPod Touch have been very influential in allowing him to flip his classes and let kids learn at their own pace.