

PhET Planning Document

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Sim	Considering	Spec Development	Code Development	Interviewing	Deployed
Membrane Channels					3/2/2
Molecules and Light					2/9/2
Gravity & Orbits					2/7/2
Balancing Chemical Equations					4/6/2
Fluid Pressure and Flow					
Capacitor Lab 2.00					
Bending Light					
Isotopes					
Resonance					
Collision Lab v2					
Build a Molecule					
Gene Network					
Plate Tectonics					
Rock Transformation					
Solutions					
Work and Energy					
Bridge Builder					
Energy Skate Park - MS Version					
Equilibrium					
Gas Props - MS Version					
Inside Magnets					

Polar Molecules
Spectroscopy
States of Matter - MS Version
Titration



Key:

Not Started

In Progress

Complete

Conferences

2010

[March 21 - 25: ACS \(no booth\)](#)

[June 27 - 30: ISTE \(booth\)](#)

[July 17 - 21: AAPT \(no booth\)](#)

[July 21-22: PERC \(no booth\)](#)

[August 1 - 5: BCCE \(booth\)](#)

[August 11-12: COLTT \(no booth\)](#)

[November 14 - 16: iNACOL \(booth\)](#)

2011

February 26: Little Shop of Physics at CSU

[March 8 - 13, 2011: NSTA \(booth and pre-conference\)](#)

[June 26 - 29: ISTE \(booth\)](#) presentation denied

June 26 - July 1: Gordon Research Conference in NC (EM and KL accepted)

August 28 - Sept 1: ACS in Denver, need to get booth still

November 9-11, 2011 iNACOL VSS 2011

2012

Upcoming:

Little Shop of Physics:

date: February 26, 2011 What year? -pat loeblein 12/20/10 2:08 PM **Didn't attend - pat loeblein 6/7/11 8:45 AM**

where: Fort Collins (CSU)

who:

what is PhET doing: booth (free)

NSTA National Conference and CySTE (pre-conference)

dates: March 8 - 13, 2011

where: San Francisco

who is going: Kathy, Wendy, Noah, Trish

what is PhET doing: booth, applied for several pre-NSTA workshops 12/2 Trish

accepted for a pre-conference WS, Stephanie and Trish accepted for NSTA workshop Friday 3:30-4:30 PhET Thursday Clicker March 11th, 12:30-1:30, Trish registered for Preconference.

-pat loeblein 12/2/10 6:23 AM

fees paid: paid

booth furniture Paid on 2/10 -Oliver Nix 2/14/11 11:32 AM and electricity needs to be paid for electricity order submitted on edlen.com-Oliver Nix 2/15/11 2:21 PM

Still need to get TA's -pat loeblein 12/2/10 6:25 AM

Need to tell who names go on the 4 badges by Feb 21. -pat loeblein 12/20/10

2:05 PM Badge form sent 2/14 -Oliver Nix 2/14/11 11:32 AM

Pearson - professional development workshop for university folks

dates: May 14, 2011

where: Canada

who is going: Noah Finkelstein

what is PhET doing: a 60-minute presentation

CSEN- half day workshop at CU Boulder Kathy and Trish gave a talk about MS research on May 25th, 2011

ISTE

dates: June 26 - 29, 2011

where: Philadelphia

who is going: Trish and Nina

what is PhET doing: booth, trish applied for a one hour workshop for the team (who ever goes) workshop was rejected, -pat loeblein 12/20/10 2:07 PM We have a poster 11-1 on the 29th -pat loeblein 6/7/11 8:42 AM

fees paid: Mindy set-up a purchase order, need to check invoice to confirm paid
early registration closes March 31, 2011 don't need to register because booth covers us

Trish reserved a double room near the conference.

still need to get plane flights and TA's -pat loeblein 5/5/10 6:24 AM done - pat loeblein 6/7/11 2:36 PM

we have booth 140 -Oliver Nix 2/25/11 11:05 AM

Gordon Research Conference (Davidson College June 26 - July 1, 2011)

[website](#)

dates: June 26 - July 1, 2011

where: Davidson, NC

who is going: Kelly and Emily

what is PhET doing:

application deadline: May 29, 2011 ***should apply to go ASAP, might overfill***

ACS National Meeting (242)

[website](#)

dates: Aug 28 - Sept 1, 2011

where: Denver, CO

who is going: Kelly (maybe Oliver)

what is PhET doing: booth (**booth number 2038**) [Trish has a talk on the HS teachers day \(Sunday\) and not working any booth time.](#)

application deadline: probably in March -Oliver Nix 2/25/11 11:00 AM
booth reserved, full payment made on Acard, and company info added to ACS site -Oliver

Nix 4/27/11 11:26 AM Registration discount ends July 13th if we need more than the badges that come with the booth -pat loeblein 6/7/11 8:40 AM

iNACOL VSS 2011

[VSS website](#)

dates: November 9-11, 2011

where: Indianapolis, IN

who is going: ?

what is PhET doing: booth

application deadline:

- iNACOL Member/VSS Sponsor by May 16 (Early bird rate with 10% discount): \$1,080
- iNACOL Member/VSS Sponsor by August 1 (Early bird rate): \$1,200
- iNACOL Member/VSS Sponsor after August 1 (Regular rate): \$1,450
- Non-Member by August 1 (Early bird rate): \$1,600
- Non-Member after August 1 (Regular rate): \$1,800

Past Conferences:

American Chemical Society National Conference

dates: March 21 - 25, 2010

where: San Francisco

who is going: Kelly

what is PhET doing: Kelly is giving a talk

sim goals: Acid Base Solutions and Reactants, Products, and Leftovers on production website

fees paid: none?

International Society for Technology in Education

dates: June 27 - 30, 2010

where: Denver

who is going: Monday: Mike and Kelly, Tuesday: Mike and Nina, Wednesday: Kelly and Noah P

what is PhET doing: booth and networking, Kathy and Trish have a 3 hour workshop on June 27 Cancelled

sim goals:

fees paid: yes

American Association of Physics Teachers

dates: July 17 - 21, 2010

where: Portland, OR

who is going: Kathy, Noah P

what is PhET doing:

sim goals: new Motion Suite and CCK completed

fees paid: none

Physics Education Research Conference

dates: July 21-22, 2010

where: Portland, OR

who is going: Noah P

what is PhET doing: research posters

sim goals:

fees paid:

21st Biennial Conference on Chemical Education

dates: August 1 - 5, 2010
where: Denton, TX
who is going: Trish and Kelly
what is PhET doing: booth, Trish and Kelly have a 3 hours workshop, Kelly has some talks (needs to be clarified)
sim goals:
fees paid: booth fee paid, two badges included with booth

Colorado Learning and Teaching with Technology Conference

dates: August 11-12, 2010
where: Boulder, CO (CU)
who is going: Noah P?
what is PhET doing: research talk(s)
sim goals:
fees paid:

Virtual School Symposium

dates: November 14 - 16, 2010
where: Glendale, AZ
who is going: Kelly, Kathy, Kathy D.
what is PhET doing: booth
fees paid: booth fee paid, registration paid for Kathy and Kelly

Conferences in 2010 (considering)

November 14 - 16: Virtual School Symposium (session proposal deadline Sunday, April 18, 2010) - Glendale, Arizona

<http://rfp.virtualschoolsymposium.org/VSS2010%20RFP%20Directions.pdf>

November 18 & 19: *Colorado Science Conference not going as per Kathy 7/31/10 - pat loeblein 7/31/10 11:34 AM*

March 10 - 13, 2011: *NSTA National - San Francisco*

Future Conferences to consider attending

January 26-28, 2011: *CCLI PI Conference - Washington DC (app deadline is Wednesday, April 7, 2010).*

March 14-16, 2011: *Microcomputers in Education Conference - <http://mec.asu.edu/> Arizona State, Phoenix. Decided not going KD and Trish 8/13/10*
Revisit next year.

October 2-5, 2011: *stemTech www.league.org/2011stemtech JW Marriott Indianapolis Indianapolis, Indiana The "cut-off date" for accepting reservations at the discounted rate is Friday, September 2, 2011. -Oliver Nix 3/23/11 4:38 PM*
NSTA 2011-2012 conferences include: *not going -pat loeblein 4/4/11 10:34 AM*

- Hartford, Connecticut (October 27-29, 2011)
- New Orleans, Louisiana (November 10-12, 2011)
- Seattle, Washington (December 8-10, 2011)
- Indianapolis, Indiana (March 29-April 1, 2012)

Deadlines for submissions are **January 15, 2011**, for the 2011 area conferences, and **April 15, 2011**, for the Indianapolis National Conference. Booth deadline?

2011 TIE Conference June 21 - 24, 2011 in Colorado *10/7/10 decided not going*

Submit paper for New Web Tools and Technology issue of The Science Teacher. **Deadline: May 1, 2011 done!!**

<http://www.nsta.org/publications/call-tst.aspx>

Grants

Aug. 1st 2011: Contact Vic at Hewlett. Deadline is 9/15/2011

Upcoming (Un) Availability comments: 2011

Trish: June 26-29 (ISTE conference), June 1-Aug 12 not working Thursday-Friday- on campus Monday and Wednesday. School year starts Aug17. ACS workshop on Aug 28th.

Chris: June 13-24, August 22-September 2, October 19-29

Sam: June 1-6 (Programming Conference)

Emily: June 3-7 (POGIL Conference), June 26-July 1 (Gordon Conference), July 12-14 (POGIL Conference), August 8-23 (Energy Project SRI)

Kelly: June 26-July 6 (Gordon conference & holiday), August 28-Sept 1 (ACS conference)

Sim specific contacts

Sim	Flavor	Project	Developer Contact	Content Contact	Last Update (Teacher Tips)	Main Author (Teacher Tips)
Acid-Base Solutions	Acid-Base Solutions	Acid-Base Solutions	Chris Malley			
Alpha Decay	alpha-decay	nuclear-physics	John Blanco	Noah Podolefsky	6/12/2010	Sam McKagan
Aphid Maze	aphid-maze	ladybug-motion-2d				
Arithmetic	arithmetic	arithmetic	Mike Dubson	Trish Loeblein	6/7/11	Trish Loeblein
Atomic Interactions	atomic-interaction	states-of-matter	John Blanco	Noah Podolefsky		
Balancing Chemical Equations	Balancing Chemical Equations	Balancing Chemical Equations	Chris Malley	Kelly Lancaster	3/2011	Kelly Lancaster
Balloons & Buoyancy	balloons-and-buoyancy	ideal-gas		Kathy Perkins		
Balloons & Static Electricity	balloons	balloons	Sam Reid	Sam Reid	6/7/11	Trish Loeblein

Band Structure	band-structure	bound-states	Chris Malley	Kathy Perkins	6/10/2010	Sam McKagan
Battery Voltage	battery-voltage	battery-voltage	Sam Reid			
Battery-Resistor Circuit	battery-resistor-circuit	battery-resistor-circuit	Sam Reid			
Bending Light	Bending Light	Bending Light	Sam Reid	Noah Podolefsky		
Beta Decay	beta-decay	nuclear-physics	John Blanco	Noah Podolefsky		
Blackbody Spectrum	blackbody-spectrum	blackbody-spectrum	Mike Dubson	Kathy Perkins	6/10/2010	Sam McKagan
Build an Atom	build-an-atom	build-an-atom	John Blanco	Kelly Lancaster	2/16/2011	Trish Loeblein
Buoyancy	Buoyancy	Density-and-buoyancy	Jonathan Olson Sam Reid	Kelly Lancaster	4/25/11	Trish Loeblein
Calculus Grapher	calculus-grapher	calculus-grapher	Mike Dubson	Trish Loeblein	6/09/2010	Trish Loeblein
Capacitor Lab	capacitor-lab	capacitor-lab	Chris Malley	Noah Podolefsky		
Charges and Fields	charges-and-fields	charges-and-fields	Mike Dubson	Mike Dubson	6/7/11	Trish Loeblein
CCK (AC+DC)	circuit-construction-kit-ac	circuit-construction-kit	Sam Reid	Kathy Perkins	2/16/11	Trish Loeblein
CCK (DC Only)	circuit-construction-kit-dc	circuit-construction-kit	Sam Reid	Kathy Perkins	2/16/11	Trish Loeblein
Collision Lab			Mike Dubson	Trish Loeblein	10/21/10	Trish Loeblein
Color Vision	color-vision	color-vision	Chris Malley	Kathy Perkins		
Conductivity	conductivity	conductivity	Sam Reid	Kathy Perkins	6/10/2010	Sam McKagan
Curve Fitting	curve-fitting	curve-fitting	Mike Dubson	Trish Loeblein	6/09/2010	Trish Loeblein
Davisson-Germer	davisson-germer	quantum-wave-interference	Sam Reid	Kathy Perkins	6/10/2010	Sam McKagan
Density	Density	density-and-buoyancy	Sam Reid Jonathan Olson		4/18/11	Trish Loeblein

Double Wells and Covalent Bonds	covalent-bonds	bound-states	Chris Malley	Kathy Perkins	6/10/2010	Sam McKagan
Eating and Exercise	eating-and-exercise	eating-and-exercise	Sam Reid	Noah Podolefsky (or Franny Benay)	6/5/11	Trish Loeblein
Electric Field Hockey	electric-hockey	electric-hockey	Sam Reid	Mike Dubson	6/7/11	Trish Loeblein
Electric Field of Dreams	efield	efield	Sam Reid	Kathy Perkins or Noah Podolefsky		
Energy Skate Park	energy-skate-park	energy-skate-park	Sam Reid	Trish Loeblein	6/09/2010	Trish Loeblein
Equation Grapher	equation-grapher	equation-grapher	Mike Dubson	Trish Loeblein		
Estimation	estimation	estimation	Mike Dubson	Mike Dubson		
Faraday's Electromagnetic Lab	faraday	faraday	Chris Malley	Kathy Perkins	6/8/11	Trish Loeblein
Faraday's Law	faradays-law	faradays-law	Mike Dubson	Mike Dubson	doesn't need one?	
Forces and Motion	motion series	force and motion	Sam Reid	Noah Podolefsky	in progress	Trish Loeblein
Forces in 1D	forces-1d	forces-1d	Sam Reid	Noah Podolefsky	in progress	Trish Loeblein
Fourier: Making Waves	fourier	fourier	Chris Malley	Kathy Perkins	6/09/2010	Trish Loeblein
Friction	friction	friction	Mike Dubson	Mike Dubson	doesn't need one?	
Gas Properties	gas-properties	ideal-gas		Kathy Perkins	6/09/2010	Trish Loeblein
Gene Machine: The Lac Operon	gene-machine-lac-operon	gene-network				
Generator	generator	faraday	Chris Malley	Kathy Perkins	in progress	Trish Loeblein
Geometric Optics	geometric-optics	geometric-optics	Mike Dubson	Kathy Perkins		
Glaciers	glaciers	glaciers	Chris Malley	Andrea Bair		

Gravity and Orbits	gravity and Orbits	Gravity and orbits	Sam Reid	Noah Podolefsky		
Gravity Force Lab	gravity-force-lab	force-lab-law	Sam Reid	Noah Podolefsky	6/09/2010	Trish Loeblein
Greenhouse Effect	greenhouse	greenhouse	John Blanco	Kathy Perkins		
Isotopes	isotopes	build an atom	John Blanco	Kelly Lancaster	5/12/2011	Trish Loeblein
John Travoltage	travoltage	travoltage	Sam Reid	Kathy Perkins	doesn't need one?	
Ladybug Motion 2d	ladybug-motion-2d	ladybug-motion-2d	Sam Reid	Noah Podolefsky		y
Ladybug Revolution	rotation	rotation	Sam Reid	Noah Podolefsky		
Lasers	lasers	lasers		Kathy Perkins	6/10/2010	Sam McKagan
Lunar Lander	lunar-lander	lunar-lander	Mike Dubson	Mike Dubson	doesn't need one?	
Magnet and Compass	magnet-and-compass	faraday	Chris Malley	Kathy Perkins	in progress	Trish Loeblein
Magnets and Electromagnets	magnets-and-electromagnets	faraday	Chris Malley	Kathy Perkins	in progress	Trish Loeblein
Masses & Springs	mass-spring-lab	mass-spring-lab	Mike Dubson	Kathy Perkins	6/07/2011	Trish Loeblein
Maze Game	maze-game	maze-game	Sam Reid	Mike Dubson		
Membrane Channels	Membrane Channels	mebrane channels	John Blanco	Noah Podolefsky		
Maze Game	maze-game	maze-game	Sam Reid	Mike Dubson		
Microwaves	microwaves	microwaves	Ron LeMaster	Kathy Perkins		
Models of the Hydrogen Atom	hydrogen-atom	hydrogen-atom	Chris Malley	Mike Dubson	6/10/2010	Sam McKagan
Molecular Motors	molecular-motors	optical-tweezers	Chris Malley	Meredith Betterton (or Kathy)		
Molecules and Light	Molecules and Light	Molecules and Light	John Blanco	Kelly Lancaster	2/2011	Kelly Lancaster
Motion in 2D	motion-2d	motion-2d	Sam Reid	Mike Dubson	6/09/2010	Trish Loeblein

The Moving Man	moving-man	moving-man	Sam Reid	Kathy Perkins	July 2010	Noah Podolefsky
My Solar System	my-solar-system	my-solar-system	Mike Dubson	Mike Dubson		
Natural Selection	natural-selection	natural-selection	Jonathan Olson	Noah Podolefsky		
Neon Lights and Other Discharge Lamps	discharge-lamps	discharge-lamps	Ron LeMaster	Kathy Perkins	6/10/2010	Sam McKagan
Neuron	Neuron	Neuron	John Blanco	Noah Podolefsky		
Nuclear Fission	nuclear-fission	nuclear-physics	John Blanco	Noah Podolefsky	6/12/2010	Sam McKagan
Nuclear Physics			split into 2 sims-Alpha decay and Nuclear fission 2009		6/10/2010	Sam McKagan
Ohm's Law	ohms-law	ohms-law	Mike Dubson	Mike Dubson		
Optical Quantum Control	optical-quantum-control	optical-quantum-control	Chris Malley	Kathy Perkins	6/10/2010	Sam McKagan
Optical Tweezers and Applications	optical-tweezers	optical-tweezers	Chris Malley	Kathy Perkins		
Pendulum Lab	pendulum-lab	pendulum-lab	Mike Dubson	Trish Loeblein	6/09/2010	Trish Loeblein
pH Scale	ph-scale	ph-scale	Chris Malley	Kelly Lancaster	6/09/2010	Trish Loeblein
Photoelectric Effect	photoelectric	photoelectric		Kathy Perkins	6/10/2010	Sam McKagan
Plinko Probability	plinko-probability	plinko-probability	Mike Dubson	Mike Dubson		
Projectile Motion	projectile-motion	projectile-motion	Mike Dubson	Mike Dubson		
Quantum Bound States	bound-states	bound-states	Chris Malley	Kathy Perkins	6/10/2010	Sam McKagan
Quantum Tunneling and Wave Packets	quantum-tunneling	quantum-tunneling	Chris Malley	Kathy Perkins	6/10/2010	Sam McKagan

Quantum Wave Interference	quantum-wave-interference	quantum-wave-interference	Sam Reid	Kathy Perkins	6/10/2010	Sam McKagan
Radio Waves & Electromagnetic Fields	radio-waves	radio-waves	Ron LeMaster	Kathy Perkins		
Radioactive Dating Game	radioactive-dating-game	nuclear-physics	John Blanco	Noah Podolefsky		
The Ramp	the-ramp	the-ramp	Sam Reid	Noah Podolefsky	in progress	Noah Podolefsky
Ramp: Forces and Motion	motion series	Ramp: Forces and Motion	Sam Reid	Noah Podolefsky		
Reactions and Rates	reactions-and-rates	reactions-and-rates	Ron LeMaster	Trish Loeblein	6/09/2010	Trish Loeblein
Reactants, Products, and Leftovers	reactants-products-and-leftovers	reactants-products-and-leftovers	Chris Malley	Kelly Lancaster (or Trish)	6/09/2010	Trish Loeblein
Resistance in a Wire	resistance-in-a-wire	resistance-in-a-wire	Mike Dubson	Mike Dubson		
Resonance	Resonance	Resonance	Mike Dubson	Mike Dubson	in progress	Trish Loeblein
Reversible Reactions	reversible-reactions	ideal-gas	Ron LeMaster	Jack Barbera (or Kathy)		
Rutherford Scattering	rutherford-scattering	rutherford-scattering	Chris Malley	Kathy Perkins	6/10/2010	Sam McKagan
Salts & Solubility	soluble-salts	soluble-salts		Trish Loeblein	6/09/2010	Trish Loeblein
Self-Driven Particle Model	self-driven-particle-model	self-driven-particle-model	Sam Reid	Sam Reid		
Semiconductors	semiconductor	semiconductor	Sam Reid	Kathy Perkins	6/10/2010	Sam McKagan
Signal Circuit	signal-circuit	signal-circuit	Sam Reid	Kathy Perkins		
Simplified MRI	mri	mri		Mike Dubson	6/10/2010	Sam McKagan
Sound	sound	sound	Sam Reid	Kathy Perkins	6/09/2010	Trish Loeblein
States of Matter	states-of-matter	states-of-matter	John Blanco	Paul Beale or Kathy	6/21/10	Trish Loeblein
Stern-Gerlach Experiment	stern-gerlach	stern-gerlach	Mike Dubson	Mike Dubson	6/10/2010	Sam McKagan
Stretching DNA	stretching-dna	optical-tweezers	Chris Malley	Kathy Perkins		

Torque	torque	rotation	Sam Reid	Kathy Perkins		
Vector Addition	vector-addition	vector-addition	Mike Dubson	Mike Dubson		
Wave Interference	wave-interference	wave-interference	Sam Reid	Noah Podolefsky		
Wave on a String	wave-on-a-string	wave-on-a-string	Mike Dubson	Mike Dubson		

Group Account Information

[Phethelp gmail account](#)

[Google analytics](#)

[Group Directory](#)

Phethelp
Google Analytics
Group Directory

Name	email	Work Phone	Alternate Phone
John Blanco	john.blanco@colorado.edu	303 492 4367	720 201 8119 (cell)
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Mike Dubson	Michael.Dubson@colorado.edu	303 492 4938	303 817 5631 (cell)
Marjorie Merges	marjorie.frankel@colorado.edu	303 492 4367	303 803 8842 (cell)
Mindy Gratny	mindy.gratny@colorado.edu	303 487 6685 (home)	785 817 6023 (cell)
Kelly Lancaster	kelly.lancaster@colorado.edu	303 492 0918	404 290 1984 (cell)
Trish Loeblein	ploeblei@jeffco.k12.co.us or ploeblei@gmail.com	303 838 0464 (home)	303 877 2119 (cell)
Chris Malley	cmalley@pixelzoom.com	303 494 8849	
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Jonathan Olson	olsonsjc@gmail.com		303 261 6996 (cell)
Robert Parson	robert.parson@colorado.edu		
Kathy Perkins	katherine.perkins@colorado.edu	303 492 6714	303 875 6840 (cell)

Noah Podolefsky	noah.podolefsky@colorado.edu	303 641 8217 (cell)	303 641 8217 (cell)
Sam Reid	reids@colorado.edu	303 245 0384	303 995 1278 (cell)
Nina Zabolotnaya	nina.zabolotnaya@gmail.com	303 523 7904 (cell)	303 523 7904 (cell)

Group Birthdays

Name	Birthday
John Blanco	May 13
Kathryn Dessau	
Mike Dubson	Feb 13
Marjorie Frankel	Sep 17
Mindy Gratny	Mar 22
Kelly Lancaster	Sep 22
Trish Loeblein	Jan 18
Chris Malley	
Oliver Nix	June 6
Jonathan Olson	
Robert Parson	
Kathy Perkins	Oct 22
Noah Podolefsky	Nov 10
Sam Reid	Nov 25
Nina Zabolotnaya	