TRIUMPHS Expected Development Timeline (full-length PSPs)

NOTE: If interested in site-testing a particular project, contact the author for a development update.

	Author	2015	2016			2017			2018		
		Fall	Spring	Sum	Fall	Spring	Sum	Fall	Spring	Sum	Fall
F 1. Understanding the Trigonometric Functions	DO				Available						
F 2. Determinants and their Use in Solving Systems of Equations	DO						X				
F 3. Solving Systems of Linear Equations Using Elimination	MF					Under development					
F 4. Investigating Difference Equations	DaR	Available									
F 5. Quantifying certainty	DK						X				
F 6. Pythagorean Theorem and Exigency of Parallel Postulate	JL	Available									
F 7. Failure of the Parallel Postulate	JL	Available									
F 8. Dedekind and the Creation of Ideals	JB		Available								
F 9. Primes, divisibility & factoring	DK				Available						
F 10. Pell Equation in Indian Mathematics	TK-KJ					Under development					
F 11. Greatest Common Divisor	MF						X				
F 12. Determining Primality	DW					X					
F 13. Bolzano's Definition of Continuity, his Bounded Set Theorem, and an Application to Continuous Functions	DaR	Available									
F 14. Rigorous Debates over Debatable Rigor in Analysis (Monster Functions!)	JB	Available									
F 15. Origins of Complex Numbers (in two parts)	DW							X (Part a)	X (Part b)		
F 16. Nearness without Distance	NS					Under development					
F 17. Connectedness- its evolution and applications	NS						X				
F 18. Construction of Figurate Numbers	JL					Under development					
F 19. Pascal's Triangle and Mathematical Induction	JL					Under development					
F 20. Investigations Into d'Alembert's Definition of Limit	DaR	Available									
F 21. An Introduction to a Rigorous Definition of Derivative	DaR	Available									
F 22. Investigations Into Bolzano's Formulation of the Least Upper Bound Property	DaR	Available									
F 23. The Mean Value Theorem	DaR	Available									
F 24. Abel and Cauchy on a Rigorous Approach to Infinite Series	DaR	Available									
F 25. The Definite Integrals of Cauchy and Riemann	DaR	Available									

Personnel Code: JB – Janet Barnett; MF – Mary Flagg; DK – Dominic Klyve; TK-KJ – Toke Knudsen & Keith Jones; JL – Jerry Lodder; DO – Danny Otero; DaR – Dave Ruch; NS – Nick Scoville; DW – Diana White;

Activity Code: X - Expected Completion Date

TRIUMPHS Expected Development Timeline (mini-PSPs)

NOTE: If interested in site-testing a particular project, contact the author for a development update.

	Author	2015	2016			2017			2018		
		Fall	Spring	Sum	Fall	Spring	Sum	Fall	Spring	Sum	Fall
M 1. Babylonian numeration	DK				Available						
M 2. Definitions of the derivative	DK					X					
M 3. Derivatives of trigonometric functions	DK				Available						
M 4. Beyond Riemann Sums	DK					X					
M 5. Origin of Prime Number Theorem	DK									X	
M 6. How to calculate π - Archimedes	DK						X				
M 7. How to calculate π - Viète	DK						X				
M 8. How to calculate π - Leibniz	DK						X				
M 9. How to calculate π - Machin	DK						X				
M 10. How to calculate π - Euler	DK						X				
M 11. How to calculate π - Buffon	DK						X				
M 12. Gaussian Guesswork - arc length	JB						X				
M 13. Gaussian Guesswork - trigonometric substitution	JB						X				
M 14. Gaussian Guesswork -polar coordinates	JB						X				
M 15. Gaussian Guesswork - sequences	JB						X				
M 16. The logarithm of –1	DK									X	
M 17. Why be so critical? Origins of Analysis	JB	Available									
M 18. Topology from Analysis: Making the Connection	NS	Available									
M 19. Connecting connectedness	NS	Available									
M 20. The Cantor set before Cantor	NS	Available									
M 21. From sets of points to sets of planes and beyond	NS						X				
M 22. Developing topology via the condensation point	NS						X				
M 23. Hausdorff's Axioms	NS						X				
M 24. Euler's Rediscovery of *e*	DaR	Available									
M 25. Henri Lebesque and the Integral Concept	JB	Available									
M 26. Topic TBD (based on site-tester request)	JB						X				
M 27. Topic TBD (based on site-tester request)	JB									X	
M 28. Topic TBD (based on site-tester request)	JB									X	
M 29. Topic TBD (based on site-tester request)	JB									X	
M 30. Topic TBD (based on site-tester request)	JB									X	

Personnel Code: JB – Janet Barnett; DK – Dominic Klyve; NS – Nick Scoville; DaR – Dave Ruch

Activity Code: X - Expected Completion Date