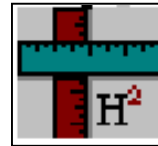# Software for teaching mathematics
Used at Farragut High School, Knoxville, Tn

	Funny name	Collection	Description
1	Polar_pt	Advanced	Locating Polar Points, click on r, theta
2	Rat_fun	Advanced	Rational Functions-locate asymptotes
3	Trig	Advanced	Trigonometric Patterns, dynamic graphing
4	Equat3	Advanced H2_adv	Simultaneous Equations(3 unknowns)
5	Exp&log	Advanced H2_adv	Exponential & Logarithmic Functions
6	Field	Advanced H2_adv	Field Properties with arithmetic examples
7	Polynom	Advanced H2_adv	A graphing utility
8	Polypat	Advanced H2_adv	Polynomial Patterns (dynamic)
9	Ssa3	Advanced H2_adv	The mystery of the Ambiguous Case
10	Unit_cir	Advanced H2_adv	The Unit Circle & the Wrapping Function
11	Cir_pat	Algebra	Circular Patterns
12	Complex	Algebra	Complex Arithmetic
13	Con_pat	Algebra	Conic Patterns, the discriminant and conic sections
14	Data	Algebra	Beginning Data analysis
15	Descart	Algebra	Descartes rule of Signs
16	Direct	Algebra	Direct & Inverse Functions
17	Dist_mp	Algebra	Distance & Midpoint
18	Family	Algebra	Families of Functions
19	Grouping	Algebra	Factoring by Grouping
20	Ineq	Algebra	Inequalities
21	Ineq_2D	Algebra	Graphing Inequalities
22	Law_exp	Algebra	Laws of Exponents
23	Pair_em	Algebra	Factor pairs
24	QUD_FOM	Algebra	Quadratic Formula
25	Real	Algebra	Putting Numbers in their Place
26	Eqations	Algebra H2_alg1	Simultaneous Equations
27	Factrall	Algebra H2_alg1	Factoring Trinomials
28	Learn_eq	Algebra H2_alg1	Equations with variables in Both members
29	Matho2_c	Algebra H2_alg1	Game for review
30	Multbin	Algebra H2_alg1	Multiplying Binomials
31	Proportn	Algebra H2_alg1	Properties & Problems with proportions
32	Twostep	Algebra H2_alg1	Equations of form ax+b=c
33	Twostmx	Algebra H2_alg1	Equations of form ax+b=c & b + ax =c
34	graph_l	Algebra H2_alg2	Graphing Utility (with work sheet)
35	Absequa	Algebra H2_alg2	Absolute Value Equations (number line)
36	Intrcpt	Algebra H2_alg2	Graphing by Intercepts
37	Pt&slope	Algebra H2_alg2	Points and Slope
38	Quadequa	Algebra H2_alg2	Quadratic Equations
39	Twopts	Algebra H2_alg2	Finding the equation of a line given 2 pts.
40	Abs_graf	Algebra H2_alg3	Absolute Value Graphs (2D)
41	Comp_sq	Algebra H2_alg3	Completing the Square
42	Conic	Algebra H2_alg3	Name that Conic
43	F&gomat	Algebra H2_alg3	Function notation (Composition)
44	Gsgraph	Algebra H2_alg3	Guess a Graph
45	Lmatrix	Algebra H2_alg3	Learn about Matrices (add, multiply)
46	Synth	Algebra H2_alg3	Synthetic Division (step by step)
47	Ab_ineq	Algebra H2_alg4	Absolute Value Inequalities on Number line
48	Gr_int	Algebra H2_alg4	Greatest Integer Function
49	Graf_al	Algebra H2_alg4	Two ways of Graphing (linear)
50	Lin_pat	Algebra H2_alg4	Linear Patterns (2 dynamic equations)
51	Mx&b	Algebra H2_alg4	Graphing by y=mx+b
52	Rad_eq	Algebra H2_alg4	Radical Equations
53	A_quiz1	Algebra H2_quiz	quiz ax+b=c decimal answers; some fractional coefficients.
54	A_quz1e	Algebra H2_quiz	quiz ax+b=c decimal answers; no fractional coefficients.
55	A_quz2	Algebra H2_quiz	quiz ax+b=cx + d decimal answers; .
56	A_quz2e	Algebra H2_quiz	quiz ax+b=cx + d integer answers; .
57	Add_sgn	Algebra H2_quiz	Add & Subtracting Signed numbers
58	Mixd_sn	Algebra H2_quiz	Add & Subtracting/multiplying Signed numbers
59	Mult_sg	Algebra H2_quiz	Multiplying Signed numbers
60	Q_evalu	Algebra H2_quiz	order of operations/ evaluate/integer answers
61	D_Mandel	Extra H2_extra	Mandelbrot Set (dos program)
62	D_master	Extra H2_extra	mindmaster
63	D_ssmad1	Extra H2_extra	dos screen saver
64	Deal	Extra H2_extra	Deal deck of cards
65	Dmadness	Extra H2_extra	Fractal Explorer
66	Find Pi	Extra H2_extra	Monte Carlo & Leibnitz Pi

descriptions available at *http://www.usit.com/howe2*

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67	Fractal	Extra H2_extra	Windows Fractal Explorer
68	Urn_Prob	Extra H2_extra	Marble probablility (&no question quiz)
69	Wheel	Extra H2_extra	Wheel of Math
70	C_Angle	Geometry	Angles in a Circle
71	Draw2	Geometry	Rotational Symmetry
72	Geobord	Geometry	Electronic Geoboard
73	Geoone	Geometry	Twenty Geometry Questions
74	Overlp	Geometry	Overlapping Triangles
75	poly_an	Geometry	Interior & Exterior angles in Polygons
76	Proof2.exe	Geometry	Baby Proofs & Classical Proofs
77	Pythag	Geometry	Pythagorean Theorem
78	T30_45	Geometry	Special Right Triangles
79	rt_tr_t.exe	Geometry	Right Triangle Trig
80	cngruent	Geometry H2_geom	The why & how of congruent Triangles
81	d_geoone	Geometry H2_geom	Twenty Geometry Questions
82	linear_p	Geometry H2_geom	Linear Pair and Vertical Angle Problems
83	Namepara	Geometry H2_geom	Name the Parallels
84	Par_pro	Geometry H2_geom	Parallel Problems
85	Pr_quad	Geometry H2_geom	Quadrilateral Quiz
86	Tri_3s	Geometry H2_geom	Electronic Toothpicks for studying Triangles
87	trnsvrsl	Geometry H2_geom	Traveling Transversals
88	Memory	H2_kids advanced	more trig identities (more difficult)
89	Propolre	H2_kids advanced	Polar Graphing Utility
90	Radians	H2_kids advanced	dos game convert radians to degrees
91	trigcard	H2_kids advanced	memory game trig identities
92	trigspace	H2_kids advanced	shooting trig angles
93	ffight2	H2_kids algebra	factor fighter $x^2 + bx + c = 0$
94	matho_c	H2_kids algebra	matho game
95	Coin_byb	H2_kids extra	Coin flip
96	flip2	H2_kids extra	flip book animation
97	flipbook	H2_kids extra	original flip book animation
98	light	H2_kids extra	RGB colors
99	tictacto	H2_kids extra	tic tac to
100	reflect	H2_kids geometry	transformational geometry
101	symfixed	H2_kids geometry	drawing program showing symmetry
102	Asteroid	H2_kids math	shooting number facts
103	tie	H2_kids math	tie the number facts
104	Coin_byg	H2_kids probability	Coin flip
105	Etcher	H2_kids probability	Dos drawing game
106	hexastat	H2_kids probability	probability simulation
107	twodice	H2_kids probability	Probability with two dice
108	Logic	Logic	Converse, Inverse, Contrapositive
109	Mindpwr	Logic	Mindpower
110	Mathomath	Math	Game of number facts
111	Order_N	Math	Order of numbers < > = put in correct symbol
112	Signed	Math	Signed Numbers + - * /
113	Fracamd2	Math H2_math	Add, Multliply & Divide Fratcions
114	Fraction	Math H2_math	Equivalent Fractions
115	Points	Math H2_math	Number line & coordinate plane
116	Primefac	Math H2_math	Prime Factorization
117	Proficnt	Math H2_math	variety of basic skills (8 incl statistics, place value, word prob., Perimeter, area,Percent)
118	Propert	Math H2_math	Basic subset of Field properties
119	Radicals	Math H2_math	Simplifying Radicals
120	Signed	Math H2_math	Adding Signed Numbers
121	Multiply	Math H2_math	Multiplying Signed Numgers
122	A&S	Math H2_pre	Add & Subtracting Signed numbers
123	Lcm_gcf	Math H2_pre	GCF & LCM (how to find them)
124	Pattern	Math H2_pre	Patterns (recognize number patterns)
125	Percetn	Math H2_pre	Variety of Percent problems (challenging)
126	Recall	Math H2_pre	game common fractions/decimals, prime factorization, perfect squares
127	Venn	Math H2_pre	Probability using Venn Diagrams
128	Pascal	Patterns	Patterns in Pascal's Triangle
129	Pascal_	Patterns	Dos version of Pascal Patterns
130	PascalB	Patterns	Patterns in Pascal's Triangle
131	Pascalm	Patterns	Patterns in Pascal's Triangle (modular)
132	Two_die	Probability	Probability involving two dice