6YZcfY`ghi Xn]b[`dfYWUW`i gžU``ghi XYbhg`g\ci`X`XYj Y`cd'dfc V]YbWh]b`hcd]\Wg`hnd]\WU`m Zci bX`]b`h\Y`5`[YVfU%; Yca Yhfn!!5`[YVfU&ff5; 5\LVVcbhYbhgYei YbVVf'''Ghi XYbhg`g\ci`X`\Uj Y` developed the following:

Dfc Wild bwink jth, th, Yig\_j`g'ubX WcbWidtrg'fY'uhYX'rc ``jbYUf'ubX'ei UXfuhjwZi bwinjcbgz'jbWi Xjb[ 'algebraic manipulation, solving equations, and solving inequalities

Dfc Wild by the deimbea in the deimb

Dfc WjYbWmjbgcjjb[f][\hhf]Ub[YdfcVYagjbjcjjb[hf][cbcaYhfm

Dfc W]YbWm]bgcjjb[gmghYagcZYeiUh]cbgjbtkcUbXthfyYjUf]UVYg

: Ua ] ] Uf ] Irnk ] Irnk d] YWYk ] gY! XY bYX Zi bWh] cbg

Familiarity with exponential functions and rules for exponents

Familiarity with radicals (e.g., square roots, cube roots)

Familiarity with complex numbers

Familiarity with communicating and reasoning among graphical, numerical, analytical, and verbal representations of functions

Technology should be used throughout the course as a tool to explore concepts. In AP DfYWVW i gzgh XYbhg g\ci 'X gdYWJ WV mdfUWfWY i g]b[ 'hYWkbc'c[ mhc Xc h\Y Zc 'ck ]b[ .'

DYfZcfa WUW `Unjcbg`fY' ['žYl dcbYbhgžfcchgžhf][cbca Yhf]Wj Ui Ygž`c[Uf]h\a gŁ

- ; fUd\ZibWhjcbg;UbX;UbU;mnY;[fUd\g'
- ; YbYfUhY UHUV Y cZj Ui Yg Zcf UZI bWhjcb'
- : ]bX fYU nYfcg cZZ bWh]cbg'
- : ]bX dc]bhg cZ]bhYfgYWh]cb cZ[fUd\g cZZ|bWh]cbg'
- : ]bX a ]b]a U#a UI ]a UcZZI bWf]cbg'
- : ]bX bi a Yf]WU gc i h]cbg hc Yei Uh]cbg ]b cbY j Uf]UV Y'

Find regression equations to model data (linear, quadratic, cubic, quartic, exponential, `c[ Uf]h\a ]\text{WUbX'q|bi qc]XU'EUbX'd`chh\Y \text{WcffYqdcbX]b[ 'fYq]Xi U'g'

DYfZcfa a Uhf]| cdYfUhcbgfY" ["ža i `hld`]WUhlcbž bX]b[ ]bj YfgYgŁ

It is important to note that technology should not replace the development of symbolic manipulation skills. When algebraic expressions and equations are accessible with dfYWUW i g! Yj Y`U[YVfU]Wa Ub]di `Uh]cbzghi XYbhg`UfY Yl dYWWX'hc` bX`nYfcgzgc`j YYei Uh]cbgz and calculate values without the help of technology. Most of the AP Exam will need to be Wa d'YhYX'k ]h\ci hh\Y'i gY`cZhYW\bc`c[m'<ck Yj YfzgY`YVWXX'a i `h]d`Y! W\c]WY`UbX`ZfYY! response questions will require students to use a graphing calculator to complete the tasks XY`]bYUhYX`UVcj Y''

## Course at a Glance

The Course at a Glance provides U'i gYZ 'j ]gi U'cf[ Ub]nUh]cb Zcf' the AP Precalculus curricular components, including:

Sequence of units, along with approximate weighting and suggested pacing. Please note, pacing is based cb'()!a ]bi h' WUgg'dYf]cXgž a YYh]b[ ' j Y XUng YUW k YY\_ for a full academic year.

Progression of topics within each unit.

## MATHEMATICAL PRACTICES

Each topic contains required Learning Objectives and Essential Knowledge Statements that form the basis of the assessment on the AP Exam.

5gg][ b h\Y Dfc[ fYgg 7\YW\_g‡ either as homework or in WUgg‡ ZcfYUW\ i b]h"9UW\ Progress Check contains Zcfa Uhjj Ya i hjd'Y! W\c]WY UbX\ ZfYY! fYgdcbgY ei Yghjcbg"H\Y feedback from the Progress Checks shows students the areas where they need to focus.