6YZcfY'ghi Xm]b['dfYWUW'i gžU``ghi XYbhg'g\ci `X`XYj Y`cd'dfc W]YbWn]b'hcd]Wg'md]WU`m Zci bX`]b'h\Y'5`['YVfU%]; Yca Yhfm!5`['YVfU&f5; 5ŁWcbh/bhgYei YbWf''Ghi XYbhg'g\ci `X`\Uj Y` developed the following:

Dfc WybWrik]h h Y g_)`g'UbX WzbWrdhg'fY`UhYX hc ``]bYUf'UbX ei UXfUhjWZ bWhjcbgz']bWi X]b[` algebraic manipulation, solving equations, and solving inequalities

Dfc VJYbWhjb'a Ubjdi `Uhjb[`U`[YVfUJWYI dfYgg]cbg'fY`UhYX hc'dc`mbca]U`Z bWjcbgZ including polynomial addition and multiplication, factoring quadratic trinomials, and using the quadratic formula

Dfc WyybWmjbgc`j jb[`f][\hhf]Ub[`YdfcV'Yagjbjc`j jb[`hf][cbcaYhfmi

Dfc W]YbWm]bigcij]b[igmghYa gicZYei Uh]cbgi]bihk ciUbXih\fYYj Uf]UViYgi

: Ua]]Uf]mmik]h\ d]YWYk]gY!XY bYX Zi bWhjcbg

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 DfYWUW i gžgh XYbhgʻg\ci XʻgdYWJ WU`mdfUWgWY i gJb['h/W\bc`c[mhc Xc'h\Y`Zc``ck]b[.'

DYfZcfa WUWi`Uhjcbg`fY''['zYl dcbYbhgzfcchgzhf][cbca Yhf]Wj Ui Ygz`c[Uf]h\a gŁ

; fUd\ZibWhjcbgUbXUbUmmY[fUd\g'

; YbYfUhY UHUV YcZjUi Yg Zcf UZ bWhjcb'

- :]bXfYU`nYfcg`cZZibWhjcbg'
- :]bXidc]bhgicZ]bhYfgYWhjcbicZ[fUd\gicZZibWhjcbg'
- :]bX a]b]a U#a UI]a U c ZZi bWMjc bg'
- :]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]t\a]\UbX`g]bi gc]XUEUbX`d`chi\YWcffYgdcbX]b[fYg]Xi Ug'

DYfZcfa a Uhf] cdYfUh]cbgfY'['za i `h]d`]WUh]cbz 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 dfYWJWi'i g! Yj Y`U[YVfU]Ma Ub]di 'Uh]cbzghi XYbhg'UfY Yl dYWYX hc ' bX'nYfcgzgc'j Y Yei Uh]cbgz and calculate values without the help of technology. Most of the AP Exam will need to be Waa d'YhYX'k]h ci hh Y'i gY'cZhYWkbc'c[nti<ck Yj YfzgY'YWhX'a i 'h]d'Y!Wkc]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 HY VUgg'dYf]cXgž a YYh]b[' j Y XUhg 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‡ Zcf YUW i b]h"9UW Progress Check contains Zcfa Uhj Y a i 'hjd Y! W c]WY UbX ZYY! fYgdcbgY ei Ygh]cbg"'H\Y feedback from the Progress Checks shows students the areas where they need to focus.