



&\FOLFDO 5HYLWZ FDI03 B DLHQFH 3UR
DW +XEEPcT`+RQRUV 6SHFLDO
0DMRU LQ 3ROLWLFDO 6FLHQF
0DMRU LQ 3ROLWLFDO 6WXGLH
0DMRU LQ 3ROLWLFDO 6WXGLH
0DMRU LQ 3ROLWLFDO 6WXGLH

[WHUQDO &RQV	'U /HDK %UDGVA@'G&EDWVRO&DPDOH(VME P IHLQJTA@8QML Y&P
'DWH RI 6LWH 9I	0DUFK
(YDOXDWLRQ	*RRG 4XDOLW\
\$SSURYDO 'DWH	6835 8 6HSWHPEHU 6&\$3\$ 6HQDWH

([HFXWLYH 6XPPDU\
2YHU WKH FRXUVH RI WKHLU WZR GDV RQWLQWVYEM LWZLWKH9([FH B QDOR&
'RHUNVHQ DQG .DUHQ &DPSEHOO , QWHZSDUW KHYS H B HU D&P D U RK &DK ITX DV
PHHWLQJ DOO H[SHFWDWLRQV

6LJQLILFDQW 6WUHQJWKV RI WKH 3URJUDP
x 7KH FXUULFXOXP LQ WKH 'HSDUWPHQWK HR IF XROHQWF DQ D W L H R IF M KHH
&DQDGD
x \$OO WKH IDFXOW\ LQFOXGLQJ WKRVRQ WUDHFWXU HDG ID QRG W Q WCLQG W
UHVHDUFKHUV DQG WHDFKHUV 7KH UHRIHVW KFKI DFXGO WF KRUCD W WIKILOS
x 7KH &RQVXOWDQWV ZHUH H[WUHPHO\ LPSOHWWRG XS SARKUWUHW R& H E
IDFXOW\ ± LQFOXGLQJ OLEUDU\ UHVRSFRUWW KRUOSHG DJRU WFDFOK Q
FRXUV P \$Ã X \ RI WKH SURJUDP RU WKH VW
H[SHULHQFH '

6HQDWH \$JHQGD
6HSWHPEHU

(;+,% ,7 9 \$SSHQGL[
3DJH

x 37KH FRPPLWPHQW WR WKH OLEHUDOVDUWV HQXFDWLRYQ IDPXDOW\FV
FORVHO\ ZLWK VWXGHQWV LQ FRPELQDQG RQ ZIGMQRQ XSSHWWLYK
UHVXOWHG LQ DQ H[FHSWLRQDO SURJUDP

6XJJHVWLRQV IRU ,PSURYHPPHQW (QKDQFHPHQW
x 'HYHORS D WUDQVLWLRQ SODQ WR DGGUHFW\ XSFRPLQJHQV DQWL
x 6XVWDLQ PDMRU KRQRXUV DQG PLQRU PRGXOHV LQ SROLWLFDO VF
x 5HOD[VSHFLILFDWLRYQ IRU UHTXLUH FRXUVHV IRU WKHVH PRGX
x 'HOHWH WKH WKHPDWLF PRGXOHV IURP WKH SURJUDP RIIHULQJV
x &RQVLGHU H[SDQGLQJ FRXUVH RIIHULQJWLWLRQGLWDWLYH DQG T
x 5HYLHZ FRXUVH RIIHULQJV WR UHPRYHHFHQV WKBW KPHRQRZK
QRW DQWLFLSDWHG WR EH RIIHUG LQ WKH IXWXUH
x &RQVLGHU LQWURGXFLLQJ D FRXUVH RQ LQGLJHQRXV SROLWLFV
x &RQVLGHU ZD\V WR HQKDQFH WKH XVH RI FODVVURRP WHFKQRORJ

5HFRPPHQGDWLRYQ 5HFRPPHQGDWLRYQ 16XVWDLQDELOLW\

5HFRPPHQGDWLRYQ	5HVSQRQVLELOLW\
'HYHORS D WUDQVLWLRQ XSFRPLQJ DQG DQWLFLSDWLRQ UHWWLPHPHQWV	SHSDQWRHQG UHWDQG +XURQ SHSDQWRHQG UHWDQG +XURQ
5DWLRQDOL]H FRXUVH DQG PRGXOH RIIHULQJV	'HSDUWPHQW
&RQVLGHU H[SDQGLQJ FRXUVH RIIHULQJWLWLRQGLWDWLYH DQG TXDQWLWLYH PHWKRGV DQG LQWURGXFLLQJ D FRXUVH RQ LQGLJHQRXV SROLWLFV	XUSDUWPHPHQW DQG(3& WLWDWLYH PHWKRGV DQG