

**OeMkppg{"Kp fgrgp fgpv"Uejqqn" Fkuvtkev**

**Y gdd"Gng o gpvc t {**

**4245/4246"K o r tqxg o gpv"Rncp**



%RDUG \$SSURFWRERDWH  
3XEOLF 3UHVHQWRERQ 'DWH



# 7DEOH RI &RQWHQWV

&RPSUHKHQVLYH 1HHGV \$VVHVVPHQW

'HPRJUDSKLFV

6WXGHQW \$FKLHYHPHQW

6FKRRO &XOWXUH DQG &OLPDWH

6WDII 4XDOLW\ 5HFUXLWPHQW DQG 5HWHQWLRQ

&XUULFXOXP ,QVWUXFWLRQ DQG \$VVHVVPHQW

3DUHQW DQG &RPPXQLW\ (QJDIHPHQW

6FKRRO &RQWH[W DQG 2UJDQL]DWLRQ

7HFKQRORJ\

\*RDOV

\*RDO - : :HEE (OHPHQWDU\ ZLOO HQVXUH WKDW WKH VFKRRO LV VDIH DQG VHFUXH

\*RDO 7HDFKHUV DQG VWDII DW - : :HEE (OHPHQWDU\ ZLOO XVH GDWD GULYHQ GHFLVLRQV W

\*RDO - : :HEE (OHPHQWDU\ ZLOO UHFUXLW UHFRJQL]H GHYHORS DQG UHWDLQ KLJK TXDOLV

\*RDO - : :HEE (OHPHQWDU\ ZLOO LQWHQWLRQDOO\ IRFXV RQ PDLQWDLQLQJ D FXOWXUH WKD

\*RDO - : :HEE (OHPHQWDU\ ZLOO HQVXUH WKDW FRPPXQLFDWLRQ LQWHUQDOO\ DQG H[WHUQ

\*RDO - : :HEE ZLOO FRQWLQXH WR EH ILVFDQO\ UHVSQRVLEOH DQG HIILFLHQW ZLWK FDPSSXV

# Eq o r t g j g p u k x g " P g g f u " C u u g u u o g p v

'HPRJUDSKLFV

'HPRJUDSKLFV 6XPPDU\

- : :HEE (OHPHQWDU\ LV D GHVLJQDWHG 7LWOH FDPSXV WKDW SURYLGHV LQVWUX  
DQG VRFLDO HFRQRPLF VWDWXV RI WKH VWXGHQWV DW :HEE DUH DV IROORZV +LVS  
DUH FODVVLILHG DV /LPLWHG (QJOLVK 3URILFLHQF\ DQG DUH (FRQRPLFDOO\ 'LVD'  
SURJUDP ZKLFK VHUYHV PRUH WKDQ VWXGHQWV IURP DFURVV WKH GLVWULFW RC

'HPRJUDSKLFV 6WUHQJWKV

- 'LYHUVH VWXGHQW SRSXODWLRQ
- 2QH ELOLQJXDO FODVV DW HDFK JUDGH OHYHO
- &XOWXUDO GLYHUVLW\ DQG DZDUHQHV
- 6PDOOHU VFKRRO SRSXODWLRQ
- 0XOWL \*HQHUDWLRQDO )DPLOLHV
- 0XOWLSOH &RPPXQLW\ %XVLQHVV 6SRQVRUV

6WXGHQW \$FKLHYHPHQW

6WXGHQW \$FKLHYHPHQW 6XPPDU\

\$IWHU DQDO\JLQJ 67\$\$5 GDWD ZH FRQWLQXH WR QRWH VLJQLILFDQW DFKLHY  
HFRQRPLFDOO\ GLVDGYDQWDJHG DQG WKRVH KDYH /LPLWHG (QJOLVK 3URILFLHQF\ )  
PDWK DQG UHDGLQJ EXW KDYH SHUIRUPHG ORZHU LQ IRXUWK JUDGH WKDQ WKH\ SHL  
LQ ILIWK JUDGH WKDW WKH\ SHUIRUPHG DW LQ IRXUWK JUDGH 2Q 67\$\$5 5HD  
IRXUWK JUDGHUV PHW WKH SDVVLQJ VWDQGDUG DQG RI ILIWK JUDGHUV PHW WKH  
PHW WKH SDVVLQJ VWDQGDUG RI IRXUWK JUDGHUV PHW WKH SDVVLQJ VWDQGDUG  
GHPRQVWUDWHV WKH QHHG IRU DQ LQWHQVH IRFXV RQ IRXUWK DQG ILIWK JUDGH PD

# 6FKRRO &XOWXUH DQG &OLPDWH

6FKRRO &XOWXUH DQG &OLPDWH 6XPPDU\

- : :HEE (OHPHQWDU\ KDV D VWURQJ VHQVH RI IDPLO\ DV ZHOO DV D ULFK KLVWRU\  
DFWLYHO\ VHHN WR KLUH G\QDPLF WHDFKHUV ZKR UHIOHFW RXU VWXGHQW SRSXODV  
VWUHQJWKHQ RXU VFKRRO FXOWXUH DQG FOLPDWH ZH XWLOLJH YDULRXV VXUYH\V I  
XVH GDWD REWDLQH IURP DGPLQLVWUDWLYH ZDONWKURXJKV IRUPDO FODVVURRP

6FKRRO &XOWXUH DQG &OLPDWH 6WUHQJWKV

- &KDUDFWHU HGXFDWLRQ SURJUDP FDPSXV ZLGH
- &DPSXV QHHGV DVVHVVPHQW LQGLFDWHG WKDW - : :HEE KDV D VWURQJ VHQVH F
- 3RVLWLYH VWXGHQW WHDFKHU UHODWLRQVKLSV
- 5HJXODU HYHQLQJ HYHQWV IRU IDPLOLHV 2SHQ \*\PV PXVLF SHUIRUPDQFHV 0HH  
2SHQ +RXVH HWF

6WDII 4XDOLW\ 5HFUXLWPHQW DQG 5HWHQWLRQ

6WDII 4XDOLW\ 5HFUXLWPHQW DQG 5HWHQWLRQ 6XPPDU\





3DUHQW DQG &RPPXQLW\ (QJDJHPHQW

3DUHQW DQG &RPPXQLW\ (QJDJHPHQW 6XPPDU\

6FKRRO &RQWH[W DQG 2UJDQL]DWLRQ

6FKRRO &RQWH[W DQG 2UJDQL]DWLRQ 6XPPDU\

7KH JRDOV RI - : :HEE DUH DOLJQHG WR DQG VXSSRUW WKH JRDOV RI WKH GLVWUI  
GDWD WR LQIRUP LQVWUXFWLRQDO GHFLVLRQV LQ RUGHU WR HQVXUH VWXGHQW JUF  
PDLQWDLQLQJ DQ LQFOXVLYH FXOWXUH DQG DFFXUDWH DQG WLPHO\ FRPPXQLFDWLI

7HFKQRORJ\

7HFKQRORJ\ 6XPPDU\

- : :HEE (OHPHQWDU\ KDV D VWURQJ IRFXV RQ WHFKQRORJ\ \$OO FODVVURRPV DU `



\*RDO- : :HEE (OHPHQWDU\ ZLOO HQVXUH WKDW

VDIH DQG) VHFVXUH

[Redacted]

3HUIRUPDQFH 2EMHFFVEY(OHPHQWDU\ ZLOO SUR

S SURVRFLEDO VXSSRUWV

(YDOXDWLRQ 'DWD UHSRUW GHWDLOLQJ LPSOH  
'DWD UHSRUWV GHWDLOLQJ VHUFLFHV SURYLGHG  
5HJXODU FRQWDFW FROODERUDWLRQ ZLWK &,6

DQG HYDOXDWLRQ RI FRPSUH  
RUOG )RRG IRU .LGV HWF  
EXBBD

6WUDWHJ\ 'HWDLOV

5HYLHZV

6WUDWHJ\ :HEE (OHPHQWDU\ ZLOO SODQ DQG H[FHFXV  
DQG UHOHYDQW 7H[DV &RGH

QVLYH VFKRRODMXQVXQVHEDV

6WUDWHJ\ V ([SHFWHG 5HJXODU, UHSRUW ZLOO GHV  
FRXQVHOLQJ SURJUDP  
6WDII 5HVSRQVLEOH & RRUORRWRU RULQFLSDO

1RY )HE -XOH

6WUDWHJ\ 'HWDLOV

5HYLHZV

6WUDWHJ\ :HEE (OHPHQWDU\ ZLOO PDLQWDLQ SDUWQH  
6WUDWHJ\ V ([SHFWHG 5HJXODU, UHSRUW PHHWLQJV  
DQG 3UHVWRQ 7UDLO & RPPXQLW\ & KXUFK

UPDDQLY B&KLPDQW

6WDII 5HVSRQVLEOH & RRUORRWRU RULQFLSDO

HHEOXGLQGH

6WUDWHJ\ 'HWDLOV

6WUDWHJ\

[Redacted]

[Redacted]

\*RDO7HDFKHUV DQG VWDII DW - : :HEE (OHPHQWDU\ ZLOO XVH GDWD GULYHQ GHFLVI  
VWXGHQW

3HUIRUPDQFH 2-EMHFWY (OHPHQWDU\ ZLOO LPSOHPHQW GDWD V\ VWHPV DQG PRQLWR  
LPSURYHPHQW LQ VFKRRO SHUIRUPDQFH

(YDOXDWLRQ 'DWD 6755HV766 'DWD \$WWHQGDQFH 5HSRUWV

6WUDWHJ\ 'HWDLOV	5HYLHZV
6WUDWHJ\	

2 € , 0 7 1 6 1 1 9	6WUDWHJ\ 'HWDLOV	5HYLHZV		
6WUDW:HHJE ZLOO LPSOHPHQW WLHUHG VXSSRUW VWUXFWXUHV 0766 WR LQFU)HDPHDWWYXGIXQWDD	EHORZ JUDGH OHYHO LQ UHDGLQJ DQG PDWK DQG ZLOO SURYLGH WDUJHW HG 1RY )HE -XQH	6WUDWHJ\ V ([SHFWHG 15HG XQWWRPSDFW	6WUDWHJ\ V ([SHFWHG 15HG XQWWRPSDFW	6WUDWHJ\ V ([SHFWHG 15HG XQWWRPSDFW
6WUDWHJ\ V ([SHFWHG 15HG XQWWRPSDFW	SURJUHVV PRQLWRULQJ GDWD DQG ZLOO PHHW WKH H[SHFWHG JURZWK PHDVXUH RQ PLGGOH	6WDII 5HVSQRVLEOH HHDU KHRUL WOF 16 6 QJR RUGLQDWRU		
	6WUDWHJ\ 'HWDLOV	5HYLHZV		
6WUDW7KJUG WKURXJK ILIWK JUDGH 5/\$ WHDFKHUV ZLOO HQJDJH LQ SURIHVVLRQRQDOVHYDUBXIPQD	([WHQGHG &RQVWUXFWHG 5HVSQRVH	6WUDWHJ\ V ([SHFWHG 15HG XQWWRPSDFW	6WUDWHJ\ V ([SHFWHG 15HG XQWWRPSDFW	6WUDWHJ\ V ([SHFWHG 15HG XQWWRPSDFW
6WUDWHJ\ V ([SHFWHG 15HG XQWWRPSDFW	LQFUHDVH IURP DQ DYHUDJH RI WR DQ DYHUDJH RI DW OHDVW RQ 67\$\$5 5HDGLQJ	6WDII 5HVSQRVLEOH HHDU KHRUL WOF 16 6 QJR RUGLQDWRU		
	6WUDWHJ\ 'HWDLOV	5HYLHZV		
6WUDW6LJW\ SHUFHQW RU PRUH RI VW WK JUDGH VWXGHQWV ZLOO PHHW RU H)RUPHDVWYXGIXQWDD	6WUDWHJ\ V ([SHFWHG 15HG XQWWRPSDFW	6WUDWHJ\ V ([SHFWHG 15HG XQWWRPSDFW	6WUDWHJ\ V ([SHFWHG 15HG XQWWRPSDFW	6WUDWHJ\ V ([SHFWHG 15HG XQWWRPSDFW
6WUDWHJ\ V ([SHFWHG 15HG XQWWRPSDFW	6WDII 5HVSQRVLEOH HHDU KHRUL WOF 16 6 QJR RUGLQDWRU			
	6WUDWHJ\ 'HWDLOV	5HYLHZV		
6WUDW6LJW\ SHUFHQW RU PRUH RI VW WK JUDGH VWXGHQWV ZLOO PHHW RU H)RUPHDVWYXGIXQWDD	6WUDWHJ\ V ([SHFWHG 15HG XQWWRPSDFW	6WUDWHJ\ V ([SHFWHG 15HG XQWWRPSDFW	6WUDWHJ\ V ([SHFWHG 15HG XQWWRPSDFW	6WUDWHJ\ V ([SHFWHG 15HG XQWWRPSDFW
6WUDWHJ\ V ([SHFWHG 15HG XQWWRPSDFW	6WDII 5HVSQRVLEOH HHDU KHRUL WOF 16 6 QJR RUGLQDWRU			
	6WUDWHJ\ 'HWDLOV	5HYLHZV		
6WUDW7KJH QXPEHU RI UG WK JUDGH VWXGHQWV ZKR VFRUH DW OHHWV RU DERYH RQ 67\$\$5 5HD	67\$\$5 5HDGLQJ E\ 0D\			

6WUDWHJ\ 'HWDLOV

5HYLHZV

6WUDWHJEE VWXGHQWV ZLOO LPSURYH DWWHQGDFH UDWHV WR E\ 0D\	RI )RUPDWLY	H6XPPDV
6WDII 5HVSQRVLEOH \$WUHQRODQFRU&RPLWWHH \$VVLVWDQW 3ULQFLSDO	5HYVWU)HE	&RXQYH
&RRUGLQDWRU		


 1R 3URJUHV
 



\*RDO7HDFKHUV DQG VWDII DW - : :HEE (OHPHQWDU\ ZLOO XVH GDWD GULYHQ GHFLVI  
VWXGHQW

3HUIRUPDQFH 2-E:MHFWLE\ (OHPHQWDU\ ZLOO HQVXUH D JXDUDQWHHG DQG YLDEOH FXU

6WUDWHJ\ 'HWDLOV

5HYLHZV

6WUDW:###E ZLOO HQVXUH HIIHFWLYH WHDFKLQJ VWUDWHJLHV DUH LQ SODFH WR PHHW WKH QH  
ZKR DUH HFRQRPLFDOO\ GLVDGYDQWDJHG DQG KDYH /LPLWHG (QJOLVK 3URILFLHQF\  
6WUDWHJ\ V ([SHFWHG 5HVXOW ,PSDFW

\*RDO7HDFKHUV DQG VWDII DW - : :HEE (OHPHQWDU\ ZLOO XVH GDWD GULYHQ GHFLVI  
 VWXGHQW 2HΛΓHΣΛ

3HUIRUPDQFH 2-E:MHFWEYZHLOO LPSOHPHQW D V\|VWHPDWLF DSSURDFK WR SURIHVVLRQ  
 WHDFKLQJ DQG VWXGHQW OHDUQLQJ RXWFRPHV

(YDOXDWLRQ 'DWDGRRRERWLYH 7HDP 7LPH \$JHQGDV /HVVRQ 3ODQV 6WXGHQW \*URZWK 'DWD

6WUDWHJ\ 'HWDLOV	5HYLHZV		
6WUDW, QMWUXFWLRQDO &RDFKHV ZLOO GHOLYHU MRE HPEHGGHG SURIHVVLRQDO &RDOODERUDWLYH 7HDP 7LPH DQG ZHHNO\ &RDOODERUDWLYH 3ODQQLQJ 6WUDWHJ\ V ([SHFWHGRORJXQW, WSDFWHDP 7LPH HYHU\ RWKHU ZHHN &RDOODERUDWLYH 3ODQQLQJ ZLWK ,&V ZHHNO\ 6WDII 5HVSQRVLEOHQRWUXRQWLRQDO &RDFKHV 7HDFKHUV	1RY	)HE	-XQH
	6WUDWHJ\ 'HWDLOV	5HYLHZV	
6WUDW7KH :HEE /HDGHUVKLS 7HDP ZLOO PHHW ZHHNO\ WR HQVXUH SURJUHVV RQ FDPSPV LQLWL			

6WUDWHJ\ 'HWDLOV

5HYLHZV

6WUDW7HJDFKHUV ZLOO HQJDJH LQ RQ FDPSXV SURIHVVLRQDO GHYHORSPH QW R Q U P D X G L Y Q W X P R D C  
LPSOHPHQW WKH OHDUQHG VWUDWHJLHV ZLWK VWXGHQWV

6WUDWHJ\ V ([SHFWHGV X G V X Q W ' D P S D F W W H E R R N V I R U D O O V W X G H Q W V F R Q W D L Q L Q J V W X G H Q W  
PRQLWRULQJ

6WDII 5HVSQRVLEOH Q R W U R Q W R Q L Q & R D F K H V \$ G P L Q L V W U D W R U V . 7 H D F K H U V

\*RDO7HDFKHUV DQG VWDII DW - : :HEE (OHPHQWDU\ ZLOO XVH GDWD GULYHQ GHFLVI  
VWXGHQW

3HUIRUPDQFH 2-E:MHFWEY(OHPHQWDU\ ZLOO SURYLGH LQQRYDWLYH OHDUQLQJ RSSRU\  
UHOHYDQW HGXFDWLRQDO H[SHULHQFHV

(YDOXDWLRQ 'DOW 66'FXUJHV

	6WUDWHJ\ 'HWDLOV	
--	------------------	--

\* R D O

\* R D O

\*RDO- : :HEE (OHPHQW DU\ ZLOO LQWHQWLRQDOO\ IRFXV RQ PDLQWDLQLQJ D FXOWX

3HUIRUPDQFH 2-E:MHFW EY(OHPHQW DU\ ZLOO LPSURYH HQJDJHPHQW DQG RXWUHDFK FR



\*RDO- : :HEE (OHPHQWDU\ ZLOO HQVXUH WKDW FRPPXQLFDWLRQ LQWHUQDOO\ DQG F

3HUIRUPDQFH 2-E:MHFWEYZHLOO HQJJDJH IDPLOHV LQ DQ RQJRLQJ HIIRUW WR VXSSRUW

6WUDWHJ\ 'HWDLOV	5HYLHZV		
6WUDWHJ\ ERWK ZULWWHQ DQG YLVXDO FRQWHQW :HEE V ZHEVLWH	DQG	YRUPDOLPH	HGXDPDV
6WUDWHJ\ V ([SHFWHG FRQZMEVSWFWLQFUHDVHG SRVWV RQ )DFHERRN SDJH	DQ	HE	IRURQH
FUHDWLRQ RI DQ ,QVWDJUDP SDJH			
6WDII 5HVSQRVLEOHLIRUDRQHGRDLGCSJHFLDOLVW 3ULQFLSDO \$VVLVWDQW 3ULQFLSDO			
6WUDWHJ\ #B W E O A & E t O R ) RUPDWLYH	5HYLHZV		
6WUDWHJ\ WKH SRVLWLYH VWRULHV DFURVV KDSSHQLQJ DW :HEE			
6WUDWHJ\ V ([SHFWHG FUHDVHG ,SDVWV RQ WKH :HEE )DFHERRN SDJH DQG ; IRUPHUO\ NQRZQ			
6WDII 5HVSQRVLEOHLIRUDRQHGRDLGCSJHFLDOLVW 3ULQFLSDO \$VVLVWDQW 3ULQFLSDO			

\*RDO- : :HEE (OHPHQWDU\ ZLOO HQVXUH WKDW FRPPXQLFDWLRQ LQWHUQDOO\ DQG F

3HUIRUPDQFH 2-EMHFWLYE (OHPHQWDU\ ZLOO IRVWHU D FXOWXUH RI WUXVW E\ SURDFW  
D WUDQVSDUHQW DQG WLPHO\ PDQQHU

6WUDWHJ\ 'HWDLOV	5HYLHZV		
6WUDWHJ\ V ([SHFWHG E\ HPHQW\ PZDFW\ VWDII LQIRUPDWLRQ *RRJOH 6WDII 5HVSQRVLEOH BURQ FLSOLQVWDQW 3ULQFLSDO &RXQVHORU	DQG)RBBWBYH6XPPDV	VLWRY	)HE -XQH
6WUDWHJ\ 'HWDLOV	5HYLHZV		
6WUDWHJ\ V ([SHFWHG E\ HPHQW\ PZDFW\ VWDII LQIRUPDWLRQ *RRJOH *UDGH /HYHO 1HZVOHWWHUV HYHU\ ZHHN &DOO 2XWV IRU HYHQWV DQG LPSRUWDQW LQIRUPDWLRQ 6WDII 5HVSQRVLEOH BURQ FLSOLQVWDQW 3ULQFLSDO &RXQVHORU	DQG)RBBWBYH6XPPDV	ZHHN	)HE -XQH
1R 3URJUHVV \$FFRPSOLVKHG &RQWLQXH 0R I\LVFRQWLQXH			

\*RDO- : :HEE ZLOO FRQWLQXH WR EH ILVFDOO\ UHVSQRVLEOH DQG HIILFLHQW ZLWK

3HUIRUPDQFH 2EHEBFWLQYCHVWUDWHJLFDQO\ DQG HTXLWDEO\ PDQDJH RXU UHVRXUFHV  
FDPSXV JRDOV

(YDOXDWLRQ 'D&DPSRXUEXIGVHW

6WUDWHJ\ 'HWDLOV	5HYLHZV
6WUDWSDO\]H ([SHQGLWXUHV IRU EXGJHW UHFRPPHQGDWLRQV 6WUDWHJ\ V ([SHFWHGS HQGLWXUHSDFWH DQDO\]HG WR GHWHUPLQH HIIHFW RQ VWXGHQW RXW 6WDII 5HVSQRVLEOH IRU ORQLWRULQJ *,Ñ *,FWAQH " "€Ë4 òAO([S1J	