 $(5$ &RQIHUHQFH 5HSRUW

$&5/ /LDLVRQ WR $PHULFDQ (GXFDWLRQDO 5HVHDUFK $VVRFLDWLRQ

$(5$ $QQXDO 0HHWLQJ 5HSRUW

0D\ 

$V WKH OLDLVRQ EHWZHHQ $&5/ DQG WKH $PHULFDQ (GXFDWLRQDO 5HVHDUFK $VVRFLDWLRQ , KDYH EHHQ

WDNLQJ VWHSV WR UHYLYH WKH SUHYLRXV OLDLVRQ UHODWLRQVKLS EHWZHHQ WKH $(5$ DQG $&5/ E\ DWWHQGLQJ

WKH $(5$ $QQXDO 0HHWLQJ $SULO   LQ 6DQ 'LHJR 7KH ODVW OLDLVRQ $QQ 'XWWRQ (ZEDQN

FRQFOXGHG KHU ZRUN DOPRVW WHQ \HDUV DJR VR WKHUH KDV EHHQ D QHHG WR XQGHUVWDQG KRZ RXU

UHVSHFWLYH RUJDQL]DWLRQV DQG SURIHVVLRQDO ODQGVFDSHV KDYH VKLIWHG SDUWLFXODUO\ LQ OLJKW RI WKH LPSDFW

RI WKH JOREDO SDQGHPLF RQ WHDFKLQJ OHDUQLQJ DQG LQIRUPDWLRQ DFFHVV WKH IRFXV RQ WKH FRQIHUHQFH

WKHPH RI ³&XOWLYDWLQJ (TXLWDEOH (GXFDWLRQ 6\VWHPV IRU WKH VW &HQWXU\´ $ PDMRULW\ RI P\ OLDLVRQ

DFWLYLWLHV WRRN SODFH DURXQG WKH $(5$ $QQXDO 0HHWLQJ

$V ZH UHQHZ RXU OLDLVRQ UHODWLRQVKLS , KDYH FRQVLGHUHG ZKDW RSSRUWXQLWLHV DUH WKH EHVW ILW LQ OLQH ZLWK

$&5/’V 3ODQ IRU ([FHOOHQFH JRDOV $(5$ LV PDGH XS RI  PDMRU GLYLVLRQV IRFXVLQJ RQ GLIIHUHQW

DVSHFWV RI HGXFDWLRQDO UHVHDUFK ZLWK DGGLWLRQDO DVVRFLDWLRQZLGH VWDQGLQJ FRPPLWWHHV ZKRVH ZRUN

RYHUODSV ZLWK DUHDV RI LQWHUHVW WR $&5/ VXFK DV ERRN DQG MRXUQDO SXEOLVKLQJ DQG VRFLDO MXVWLFH

FRPPLWWHHV 7KHUH DUH  DGGLWLRQDO 6SHFLDO ,QWHUHVW *URXSV 6,*V ZLWKLQ WKH DVVRFLDWLRQ ZKHUH

PDQ\ PHPEHUV ILQG D SURIHVVLRQDO KRPH IRFXVLQJ RQ VSHFLILF HGXFDWLRQDO PHWKRGV WKHRULHV RU

SRSXODWLRQV 3URPLVLQJ DUHDV IRU OLDLVRQ FRQQHFWLRQ LQFOXGH $(5$’V 'LYLVLRQ - 3RVWVHFRQGDU\

(GXFDWLRQ GLYLVLRQ DV ZHOO DV FHUWDLQ 6,*V WKDW UHODWH WR GLYHUVLW\ HTXLW\ DQG LQFOXVLRQ LQ KLJKHU

HGXFDWLRQ RSHQ VFKRODUO\ SXEOLVKLQJ DQG OLWHUDFLHV WKUHH FRUH FRPSRQHQWV RI WKH $&5/ 3ODQ IRU

([FHOOHQFH

,Q DGYDQFH RI WKH  $(5$ $QQXDO 0HHWLQJ , UHDFKHG RXW YLD $/$ &RQQHFW JURXSV IRU WKH $&5/

,QVWUXFWLRQ 6HFWLRQ DQG (GXFDWLRQ %HKDYLRU DQG 6FLHQFHV 6HFWLRQ (%66 WR FRQGXFW D VPDOO

HQYLURQPHQWDO VFDQ RI OLEUDULDQV ZKR DWWHQG RU KDYH LQWHUHVW LQ SDUWLFLSDWLQJ LQ $(5$ DFWLYLWLHV)URP

WKH HQYLURQPHQWDO VFDQ , OHDUQHG WKDW DFDGHPLF OLEUDU\ FROOHDJXHV DUH LQWHUHVWHG LQ WRSLFV VXFK DV

SHGDJRJ\ KLJK LPSDFW WHDFKLQJ DQG OHDUQLQJ SUDFWLFHV VXSSRUWLQJ IDFXOW\ LQ OHDUQLQJ HIIHFWLYH

SHGDJRJLHV DQG WRROV DVVHVVPHQW TXDQWLWDWLYH UHVHDUFK VNLOOV UHVHDUFK UHODWHG WR VSHFLILF VWXGHQW

SRSXODWLRQV FRQFHSWXDO DQG WKHRUHWLFDO IUDPHZRUNV DQG VRFLDO MXVWLFH $QG OLEUDULDQ FROOHDJXHV

EHOLHYH WKDW OLEUDULDQV FDQ RIIHU VNLOOV UHODWHG WR OLWHUDWXUH UHYLHZV V\VWHPDWLF UHYLHZV DQG HYLGHQFH

V\QWKHVHV 5HVSRQVHV LQGLFDWHG LQWHUHVW LQ WKH FUHDWLRQ RI DQ DFDGHPLF OLEUDU\UHODWHG 6,* DV ZHOO

DV LQWHUHVW LQ FORVHU WLHV EHWZHHQ $&5/ DQG $(5$ DQG VXSSRUW VWUXFWXUHV IRU DFDGHPLF OLEUDULDQV

ZRUNLQJ LQ RU LQWHUHVWHG LQ HGXFDWLRQDO UHVHDUFK

$W WKH $QQXDO 0HHWLQJ LQ $SULO  , DWWHQGHG PHHWLQJV DQG VHVVLRQV WKDW IRFXVHG RQ LQLWLDWLYHV RI

LQWHUHVW WR $&5/ UHODWHG WR ZRUNLQJ ZLWK XQGHUVHUYHG SRSXODWLRQV LQ HGXFDWLRQ DQG H[SDQGLQJ ZD\V

RI NQRZLQJ LQFOXGLQJ WKURXJK WKH XVH RI LQQRYDWLYH UHVHDUFK PHWKRGV :KLOH PDQ\ VHVVLRQV WRXFKHG

RQ WRSLFV RI LQWHUHVW RU DGMDFHQW WR DFDGHPLF OLEUDULHV VXFK DV XQLYHUVDO GHVLJQ IRU OHDUQLQJ 2SHQ

(GXFDWLRQDO 5HVRXUFHV DQG RQOLQH OHDUQLQJ SHGDJRJLHV IRU HGXFDWLRQDO DFFHVV DQG HTXLW\ WKHUH

ZHUH UHODWLYHO\ IHZ VHVVLRQV IHDWXULQJ DFDGHPLF OLEUDU\ SUHVHQWDWLRQV

7KHUH ZHUH WKUHH DFDGHPLF OLEUDU\IRFXVHG SDSHUV ³$FDGHPLF /LEUDU\ 3RZHU '\QDPLFV DV

([SHULHQFHG 7KURXJK WKH 3DQGHPLF 5HVSRQVH´ IURP WKH URXQGWDEOH VHVVLRQ ³7UDQVIRUPLQJ

(GXFDWLRQDO 6\VWHPV 9LHZV IURP &DPSXV 8QLWV´ VSRQVRUHG E\ WKH 6SHFLDO ,QWHUHVW *URXS IRU

4XDOLWDWLYH 5HVHDUFK $ VHFRQG DFDGHPLF OLEUDU\IRFXVHG SDSHU ³%ODFN 6WXGHQW ([SHULHQFH DQG

3HUFHSWLRQ LQ /LEUDULHV DW 3UHGRPLQDQWO\ :KLWH ,QVWLWXWLRQV´ ZDV IHDWXUHG LQ WKH URXQGWDEOH ³$ &ULWLFDO

([DPLQDWLRQ RI 5DFLDO ,GHQWLW\ 'HYHORSPHQW LQ +LJKHU (GXFDWLRQ 6SDFHV´ VSRQVRUHG E\ WKH 6SHFLDO

,QWHUHVW *URXS ³:ULWLQJ DQG /LWHUDFLHV´ $ WKLUG DFDGHPLF OLEUDU\ IRFXVHG VHVVLRQ ³'HVLJQLQJ DQ

$FFHVVLEOH 8VHU ([SHULHQFH 6WXG\ IRU 8QGHUJUDGXDWH 6WXGHQWV :LWK 'LVDELOLWLHV´ ZDV VLWXDWHG LQ DQ

DFDGHPLF OLEUDU\ DQG VSRQVRUHG E\ WKH 6SHFLDO ,QWHUHVW *URXS ³,QFOXVLRQ DQG $FFHVVLELOLW\ LQ

(GXFDWLRQDO $VVHVVPHQW´ 'LJLWDO OLEUDULHV ZHUH EULHIO\ UHIHUHQFHG LQ ³&KLOHDQ 6WXGHQWV’ ([SHULHQFH

RI 2QOLQH /HDUQLQJ 'XULQJ WKH &29,' 6DQLWDU\ &ULVLV´ 2SHQ 6FKRODUVKLS ZDV GLVFXVVHG LQ WKH

VHVVLRQ ³7KH 2SHQ 6FKRODUVKLS .QRZOHGJH %DVH $Q 2SHQ 6FLHQFH 3ODWIRUP´ VSRQVRUHG E\ WKH

6SHFLDO ,QWHUHVW *URXS IRU 5HVHDUFK 8VH

6HVVLRQV IRFXVLQJ RQ SXEOLF OLEUDULHV LQFOXGHG ³([SORULQJ $FWLYH /HDUQLQJ 3UHIHUHQFHV RI YRXWK DQG

6XEMHFW 0DWWHU ([SHUWV LQ /LEUDU\%DVHG YRXWK 67(0 3URJUDPPLQJ´ $Q DGGLWLRQDO SRVWHU ³/LEUDU\

0DNLQJ *RHV +RPH $GDSWDWLRQV DQG /HVVRQV /HDUQHG´ IRFXVHG RQ SXEOLF OLEUDULHV GXULQJ WKH

&29,' SDQGHPLF 7KUHH URXQGWDEOH VHVVLRQV IRFXVHG RQ VFKRRO OLEUDU\ FRQWH[WV ³7H[W &HQVRUVKLS

LQ &DWKROLF 6FKRROV)UDPLQJ RI &RQVHQVXV DQG 5HVLVWDQFH $UJXPHQWV´ DQG DQRWKHU

³&RPSXWDWLRQDO 7KLQNLQJ LQ (OHPHQWDU\ 6FKRRO /LEUDULHV´ DV ZHOO DV ³(OHPHQWDU\ 6FKRRO /LEUDU\

&ROOHFWLRQV $ &RQWHQW $QDO\VLV RI 6FLHQFH 7UDGH %RRNV´