







>! ""#\$%&' (@)%\*#+)%&\$),(>! "%#"%!(5) "' -)' #  
' 2%+052E\*)&\$/)%"\*E(/&3(1&; <<)&)+ (":#&3 (: (@&%+0&%+100&?1 ("9)&(3&  
91\$/\*\$9:0)&#0)\*1\$80#&\$/&%+0&910-\$(")&0\*E(/=&./&2##\$E(/&6&%+010&210&  
)0-012:&10\*(550/#2E(/)&%+2%&210&)90\*\$0\*&(&52%+052E\*)&\$/)%"\*E(/&  
3(1&; <<)=  
\_0)021\*+&)+ (@)&%+2%&; <<)6&0-0/&2)&%+0A&210&.021/\$/?&; /?.\$)+6&\*2/&  
921E\*\$92%0&\$/&#)\$\*"")\$(/)&@+010&%+0A&?1299:0&@%+\$&59(1%2/%&  
52%+052E\*2:&\*(/%0/%=&./)%"\*E(/&3(1&%+\$)&9(9":2E(/&)+ (":#&/ (%&  
059+2)\$D0&: (@7:0-0:&2/?"2?0&), \$:)&(-01&(99(1%"/\$E0)&% (&2\*E-0:A&  
\*(55"/\$\*2%0&28(" %&52%+052E\*2:&\$#02)=&\_0)021\*+&(/&2/?"2?0&2/#&  
52%+052E\*)&0#"\*2E(/&91(-\$#0)&%+100&?0/012:&?"\$#0:\$/0)&3(1&  
\$/)%"\*E(/2:&912\*E\*0)&3(1&%02\*+\$/?&; <<)&52%+052E\*)&H' ()\*+, (-\$\*+6&  
IJKL=&' 2%+052E\*)&\$/)%"\*E(/&3(1&; <<)&)+ (":#&2##10))&5"\*+&5(10&  
%+2/&- (\*28":21A&2/#&)"99(1%&; <<)F&921E\*\$92E(/&\$/&52%+052E\*2:&  
#\$)\*")\$(/)&2)&%+0A&.021/&; /?.\$)+=&./)%"\*E(/&)+ (":#&2:)(#&12@&(/&

./)%1"\*E(/&)+(":#&91(-\$#0&(99(1%" /\$E0)&3(1&)"#0/%)&  
%(&2\*E-0:A&")0&52%+052E\*2:&2/?"2?0&%( &55"/\$\*2%0&  
28(" &52%+052E\*2:&)\$%"2E(/)=

./)%1"\*E(/&)+(":#&91(-\$#0&(99(1%" /\$E0)&3(1&)"#0/%)&  
%(&2\*E-0:A&0/?2?0&\$/&52%+052E\*2:&912\*E\*0)&"\*+&2)&  
102)(/ \$/?6&\*( /)%1"\*E/?&21?"50/%)6&:( (, /?&3(1&2/#&  
0G910))\$/?&)%1"\*%10&2/#&10?"":21\$%A6&0%\* =

A0(/, (B:\*#9"#B"\$- (' &C'!)%")\$- \* 32"D&!5)-,)2#'( /#(")&' )\* #!%"\* #8\$+)  
\$2#++.- - \* +)#' 0)+/33- .!)+!/0"" !+)&' )"" (# (&' (&' )!&+)\$- \* 32"D&!56

<2/?"2?0&\$/&52%+052E\*)&\*:2)1((5)&\$/\*:"#0)&5":E9:0N

\_0910)0/%2E(/)&H(8d0\*)6&9\$\*%"10)6&@(1#)6&A58(:)6&  
%28:0)6&?129+)L=

' (#0)&H(12:6&@1\$] 0/6&10\*09E-06&0G910))\$-0L=

e\$/#)&(3&@1\$] 0/8%0G%)&H%0G%8( (, )6&@(1#&91(8:05)6&  
)%"#0/%&0G9:2/2E(/)6&02\*+01&0G9:2/2E(/)L=

e\$/#)&(3&%2:, &H0G9:(12%(1A&2/#&0G9())\$%(1A)L=

B"#0/\*0)&H910)0/%2E(/)&%(8%02\*+016&8%(&9001)6&8A&  
%02\*+016&8A&9001)L=

A0(/, (B:\*#C"#E."#!)"9".50#5)#' 0)%- \* ")2#'( /#(")+#)."+- /.\$"+?) -!)  
-; +!#\$2"+6)

; -01A#2A&2/?"2?0&2/#&2\*2#05\$\*&2/?"2?0&210&  
\$/%01#090/#0/%&2/#&10:2%0#f / (%&5""%2::A&0G\*:")\$-0&  
H' ()\*+, (-\$\*+6&I JKJL=

; -01A#2A&2/?"2?0&2/#&0G901\$0/\*0)&210&/ (%&/0\*0))21\$:A&  
(8)%2\*:0)&%(8#0-0:(9\$/?&2\*2#05\$\*&@2A)&(3&  
\*(55"/\$\*2E/?&\$/&52%+052E\*)&H' ()\*+, (-\$\*+&I JJ[26&  
I JJ[8L=

Z(50&2/?"2?0)&91(-\$#0&10)("1\*0)&3(1&52%+052E\*2:&  
102)(/ \$/?&2/#&\* (55"/\$\*2E(/&H' ()\*+, (-\$\*+&I JJ[8&  
I JJ[\*6&I JJS6&I JKKL=

B501\$\*2/&; #''\*2E (/2:&\_0)021\*+&B)) (\*\$2E (/&HB; \_BL=&HI JJ`L=&g (&+0&  
& 52%+N&4 (?/\$E-0&#052/#&52,0)&2&#U010/\*0=&B''+'#. \$%)F-&' !+&GHI L=&  
& \_0%1\$0-0#&31(5&&+ ] 9Nhh@@@=2012=/0%hi "8:\$\*2E (/)h  
& \_0)021\*+i (\$/%)h%28\$#hKJI bYhg032":%&2)9G

PQ/#2126&i -&R&4 (/1012)6&\=&HI JJSL=&E%"H#8' -)"0/\$#8-' )\$.&+&+1)E%" )  
) \$-' +''J/'"\$ \$"+), #&2''0)+-\$&#2)3-2&\$&' +6)42581\$#?0&&' BN&Z21-21#&  
& c/-\$-01)\$%A&i 10))=

P21\*\$26&; -&R&P (/D2:0D6&\_&HKSSXL=&.)"0)&\$/&)A)%05\*\$&103(15&3(1&  
& \*":%''12::A&2/#&.\$/?"\$)E\*2::A&#-\$-01)0&)"#0/%)=&E'"#%" .+ )K-22" (" )  
) B"\$-.0?&LMHbL6&YKj kYbK=

Z\$0801%6&!-&R&P1 (" @)6&g=&HI JJ [L=&; U0\*E-0&02\*+\$/?&3(1&+0&  
& #0-0:(950/%&(3&), \$:.&2/#&\* (/ \*09%" 2:&' /#01)%2/#/?&(3&/'' 5801N&  
& I +2&&&) &5 ()%&OU0\*E-0m&\_0%1\$0-0#&31(5  
& +] 9Nhh@@@=/\*%5=(1?h\*:9)2/#81\$03)=2)9GdHn2)0#& (/N&Z\$0801%6&!-&R&  
& R&P1 (" @)6&g=&HI JJ [L=&>+0&0U0\*)&(3&\*:2))1((5&52%+052E\*)&  
& %02\*+\$/?&(/&)"#0/%)F&:021/\$/?=&N"\$-' 0)%#' 0; --0)-).''+'#. \$%)-' )  
) \*#!%" \* #8\$+)!'"#&\$%&' (#' 0)2"#.' &' (H99=&b [KkYJYL=\_0)%( /6&oBN&  
& p2E (/2:&4 (" /\*\$:&(3&>02\*+01)&(3&' 2%+052E\*)=

' ()\*+, (-\$\*+6&!=&p=&HI JJ [2L=&n0A (/#&@ (1#)&%( &52%+052E\*2:&\* (/0/%N&  
& B))0)\$/?&; /?:\$)+&:021/01)&\$/&+0&52%+052E\*)&\*:2))1((5=&./&B=&Z=&  
& ^\*+(0/30:#&H; #=&L&P++''++&' ()\*#!%" \* #8\$#2)3.-A\$&"" \$5&H99=&bYXk  
& bXIL=&p0@&q(1, N&42581\$#?0&c/\$-01)\$%A&S-8#=&L&

' ( ) \* + , ( - \$ \* + 6 & ! = & p = & H I J K K L = & ^ " 9 9 ( 1 E / ? & 5 2 % + 0 5 2 E \* 2 : & 1 0 2 ) ( / \$ / ? & 2 / # & ) 0 / ) 0 & 5 2 , \$ / ? & 3 ( 1 & ; / ? : \$ ) + & < 0 2 1 / 0 1 ) = & . / & ' = & ^ % 1 " \* + 0 / ) & R & ! = & S " 2 / # 0 1 & H ; # ) = 1 6 & = - \$ / + ) & ' ) % & ( % ) + \$ % - - 2 ) \* # ! % " \* # 8 \$ + 1 ) = - + ! " . & ' ( ) . " # + - ' & ' ( ) # ' 0 ) + " ' + " ) \* # 0 & ' ( ) , - . ) # 2 2 ) + ! / 0 " " ! + & H 9 9 = & K [ k b ` L = & \_ 0 ) % ( / 6 & o B N & p 4 > ' =

' ( ) \* + , ( - \$ \* + 6 & ! = & p = & H I J K I L = & ' 2 % + 0 5 2 E \* ) 6 & % + 0 & 4 ( 5 5 ( / & 4 ( 1 0 6 & 2 / # & < 2 / ? " 2 ? 0 N & \_ 0 \* ( 5 5 0 / # 2 E ( / ) & 3 ( 1 & 5 2 % + 0 5 2 E \* ) & \$ / ) % 1 " \* E ( / & 3 ( 1 & ; < ) & 2 : \$ ? / 0 # & @ \$ % + & % + 0 & 4 ( 5 5 ( / & 4 ( 1 0 = & F . - \$ " " 0 & ' ( + ) - , ) ! % " ) Q ' 0 " . + ! # ' 0 & ' ( ) H # ' ( / # ( " ) K - ' , " . " ' \$ " ? ) T U V T 6 & ^ % 2 / 3 ( 1 # & c / \$ - 0 1 ) \$ % A 6 & 4 B = & \_ 0 % 1 \$ 0 - 0 # & 3 1 ( 5 & + 1 9 N h h 0 : = ) % 2 / 3 ( 1 # = 0 # " h 9 " 8 : \$ \* 2 E ( / h 5 2 % + 0 5 2 E \* ) 7 \* ( 5 5 ( / 7 \* ( 1 0 7 2 / # 7 : 2 / ? " 2 ? 0 &

^ % O \$ / 6 & ' = e = 6 & P 1 ( - 0 1 6 & n = 6 & R & Z 0 / / \$ ? ) 0 / 6 & ' = & H K S S ` L = & n " \$ : # \$ / ? & ) % " # 0 / % & \* 2 9 2 \* \$ % A & 3 ( 1 & 5 2 % + 0 5 2 E \* 2 : & % + \$ / , \$ / ? & 2 / # & 1 0 2 ) ( / \$ / ? N & B / & 2 / 2 : A ) \$ ) & ( 3 & 5 2 % + 0 5 2 E \* 2 : & % 2 ) , ) & " ) 0 # & \$ / & 1 0 3 ( 1 5 & \* : 2 ) ) 1 ( ( 5 ) = & B 5 0 1 \$ \* 2 / & ; # " \* 2 E ( / 2 : & \_ 0 ) 0 2 1 \* + & ! ( " 1 / 2 : 6 & b & H I L 6 & Y X X 7 Y j j =

Language, Literacy, and Learning  
in the Content Areas

Understanding Language aims to enrich academic content and language development for English Language Learners (ELLs) by making explicit the language and literacy required to meet Common Core State Standards and Next Generation Science Standards <http://ell.stanford.edu>.

