

# e # f 8g = 7H] GH1 ^ \_ ' a b c 7deXW\*

XYZ [ aW h\<

g+ , hKMLdU| . N]\ ' 9MNO5PQOhLNH? / } &<RHc ]) STU5T / 5  
Vc5 cO: uWQcD' , - . / OxyHG>VU| k\ ]} &hzU| OU| ; [ ], - . /  
OcHG> \$%O1NMq6A\ O\$%5T\$%5X#9: U( \$%O3~' JY\$%OU| . E  
VG>%%' ; Zu>Zl A] E]\ ' , - / G>G{ ][ MG>%EH, - . / O! KPJ } ]\ '  
\z / G>G{ ]u] G>H, - . / OST53~' U| ct PJ \$]\ ' Ld / G>G{ ]u] G>  
HvwLM' / 9\$dct O

g- . / h, - . / OFG>\$%FNOU| FG>G{

DOI:10.16194/j.cnki.31-1059/g4.2021.10.006

; 523j f  
) FASZJ b\$od| / &~B74Cpc  
+Of ^a{ l Fx 2019 F 颁l 71=) @b~  
B~\$9owx [ 1" o~B#! 7gy201=  
) L?yOp / O1 2B, Va 9o7J bg  
y2B03s [ @S-O; ZJ b\$ol &@bl  
#~\$9oS [ 1~B~\$#! 74Ci j 5  
6FxS%O~B56>] =bQr f 3L~\$  
ST' a5-o\$ \ l 5b1F&L} 27/pl  
\_SZJ b\$od| / &x l F] O\$G[ ' ~  
B~\$#! 5 LB, a( 7抓\_O<sup>①</sup>  
- dS%O~; f 56ZJ b\$O7NJ 2S  
x" \ NI m7xy89NJ O\$ \ Lk?ST  
?M@k \* " kc5-; [ bZ &m! 5痰b:

\_ZJ a \$o56\$ \ gc \$%gMJ +Bk  
l O<sup>①</sup>nqkl YZ@f \$%~\$25kZJ b  
\$o" ~; Ye~BgM5X( 5N<BI Up7  
7C( Ox l MN=bQU\* ^ONZJ b\$O  
| v\$ \ 7st uvD17X( STKI K?~  
; f RSD5kZJ b\$O7NJ 2\* +L} 7  
uvDo# O<sup>②</sup>ZJ b\$OH# \* Jc~B9o  
7st ~~ss~~ ^~D\$Va7XoSI bSUXY  
~\$27gMXB@HDe2y. ! pS~~;  
) %hL7l m=2O=! 肯! 7eSe4r 2  
7~; ] f dv ^e2Dml Va7WXS1#!  
7ZJ b\$O' C! ~; Ye7uvL} z' l  
&Qf 7( 石Qz SHMNpf 剖9%O~; K  
} ZJ b\$O7QeLI ! ?f 5kNJ 2#Q

\* 77" ^\_QG{ 9/! , \$V& aQSo: 1cb. l mG^\_QcT / G><=c2cC  
dwU| &YZ Aefgga0'hil 5^\_>j ' / G{ / k} i \* dU| , -1G>" # \$%HI m23'  
hzU| &YZ Aop^'\_''d HU| @E' ^\_>j ' / G{ / k / O9Uh, <1, - OAtqr  
sGt w77u#' RcHO1' 2vO

7l mSC! z 4XZJ b\$o27~; uvstO  
( ) z SHMN[ @Z[ MNxyZ  
1.~; fK} ZJ b\$o7NJ 2x\_qq  
l m]  
2.~; fK} ZJ b\$o7NJ 2' CKY  
qquvDX( ]

B5ghi j

? ' 7uv&eD- ! hi < ^f %s 7S<sup>31</sup>  
HMNJ KZJ b\$o27~; uvSurezZ  
J b\$o7=- - x" ~; uv7C(O  
kEI , - . /O

1 #! 7ZJ b\$o{ Project-based LearningS  
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RaN&de4df \$%gM\$o( C\* 7{ M  
\$5ki \$G\_SC! L} { MX( Ouv&J  
cO<sup>14</sup>YcS( ) D5hi 7>NxyOZJ b\$  
oL\ f D575hi \$7xy89QC=2S-  
' Cr b\$\ ~D5\ advDI #2? \$o  
7gM4dsf gG汇7" #OY; S\$o>7  
@~dDOZJ b\$oeh| ! [ L>N\$  
{ Agency-driven| DKl Obq! \$ { Social-cultural-  
ally Shaped| 7\$o" /S D\$og<7W&:  
f @| 7Qf = \O<sup>15</sup>YwS45Lk \$; 6O(  
) Lk 7; XVDf ZJ b\$o2~ = 4CSu  
re=b\$\ 7gM/累DTUL} S! ?I o  
bZJI o7?kO<sup>16</sup>

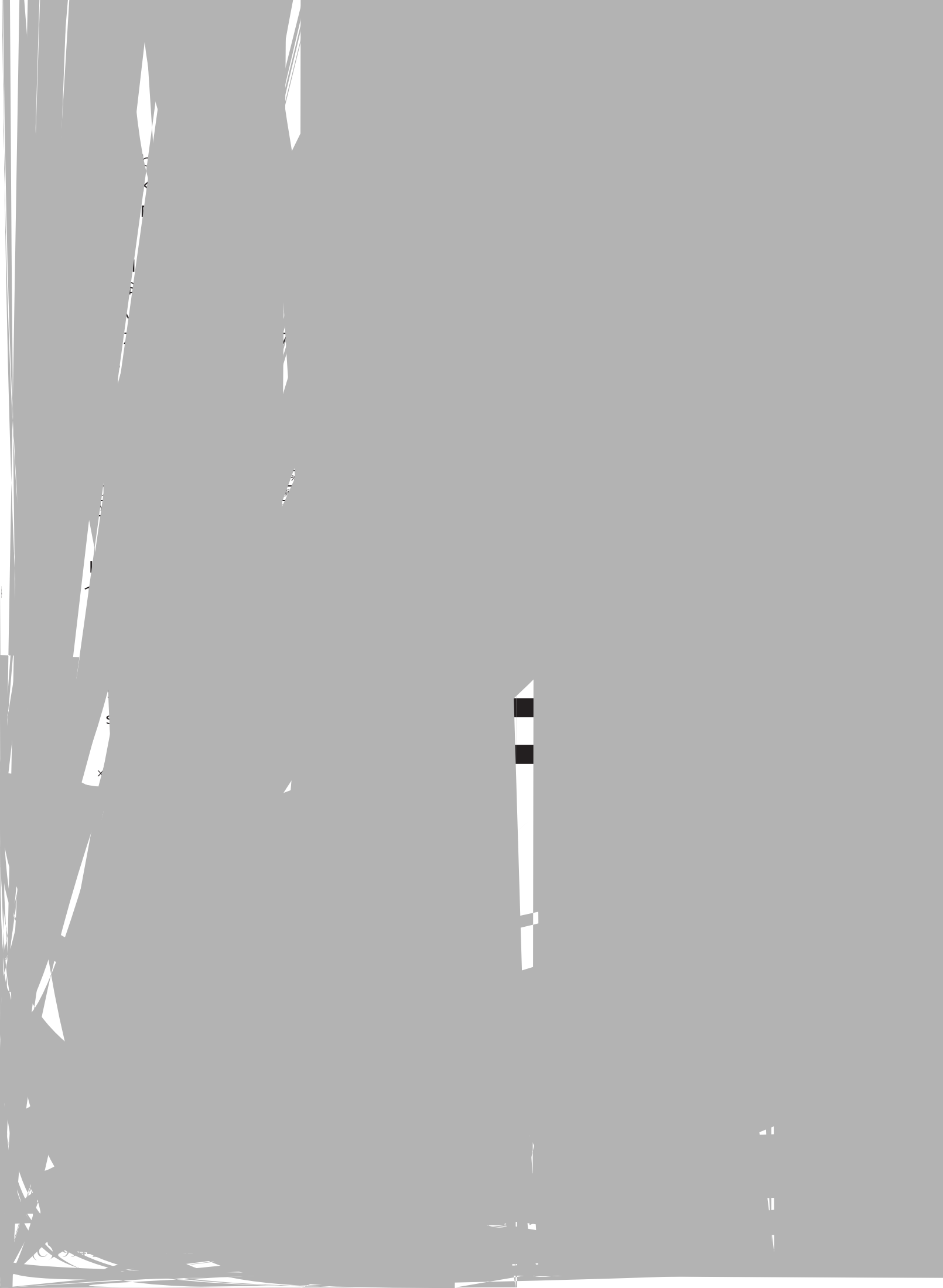
k 78S ^QR=) ZJ b\$o7MN[ y  
[ CW2) \$%~ \$7#?D56S&r \$, ~  
B55B~B52B~B51 B~BBu@u\$8  
~BaNSZJ b\$o7RSTi f STEAM ~  
B53) ~B5-; ~B23f \$G\_7I \_] 2  
Q; \_=bO<sup>17</sup>zRS亦' MN=bZJ \$o27  
KLh/DCi 4RS\* MI I b5<sup>81</sup>O\* \$o<sup>19</sup>  
BOf MNVD\* S [ . MN5<sup>101</sup>5ZMN<sup>111</sup>&  
[ S ] ' e8\$>K} U=) ZJ b\$o7\ 8  
MNS3\ 8" I ! \$ \群L &[ LO<sup>121</sup>RLA  
: SZJ b\$oMN27 ~; 5y &奶- =bW

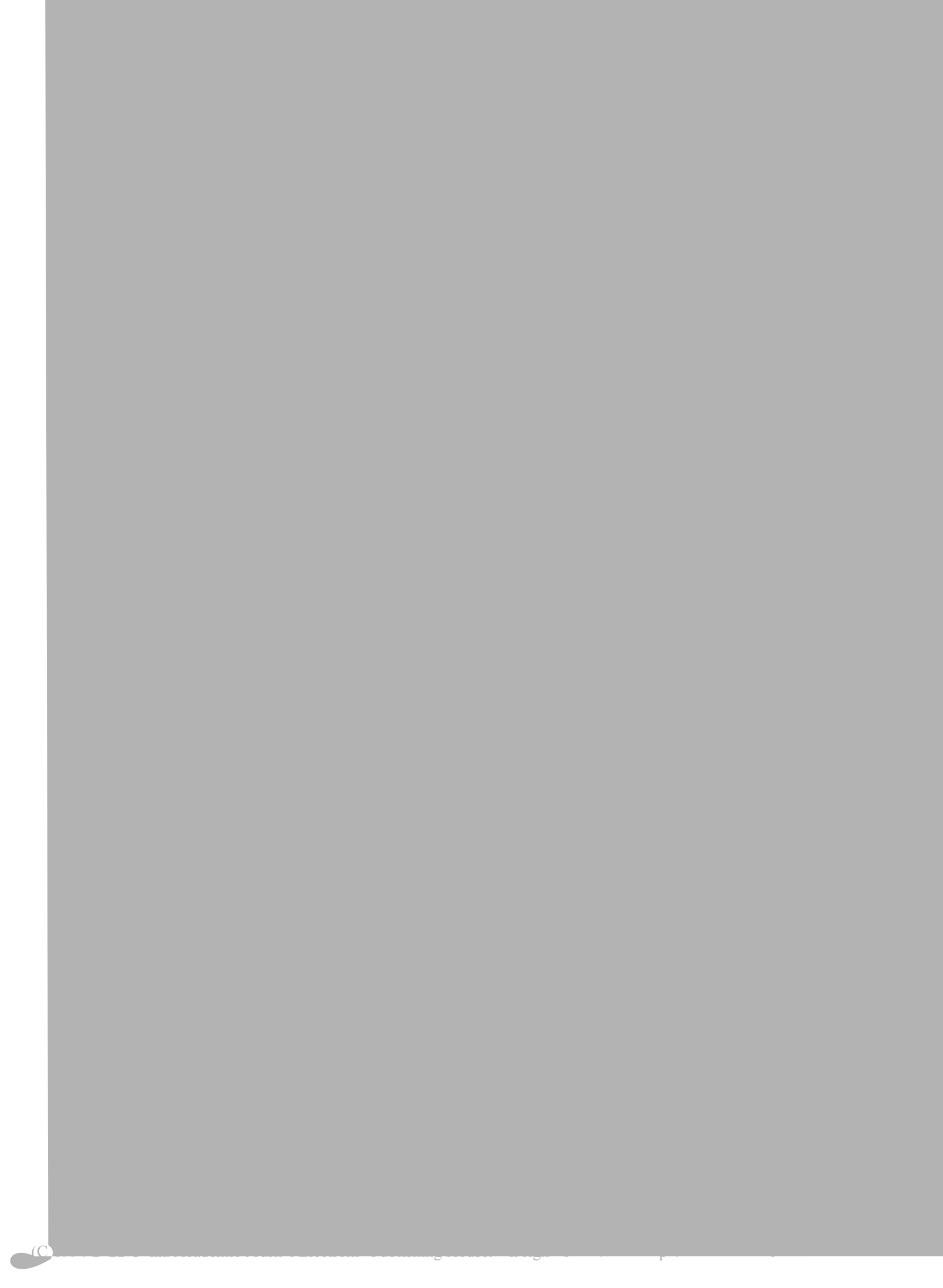
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&>\* 21r 纪~; I 5y. 7WXS^>k  
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j S/ &~; ~B2L7Vc\$J bO\* 欧盟f  
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{ Supporting teacher competence development: for  
better learning outcome| Wj 2~ ~; uvD8&  
! gMD# 8&hX&mf N<5/ ~5670奉  
P7hg& [ U~O<sup>131</sup>^ QMN>f &S~; u  
v[ \C~o) \$ \ 7\$o' CS<sup>141</sup>e~; XX  
fa+7QC2M>FG\_7%] | W=8割7  
LLuvS^ gM5X( D/ ~7{ MS =! L  
kf I J RSD~ \$RS55T55k \$ 6D\  
LBI [ C ] 2O<sup>151</sup>

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Assessment| ?I J Wb{ Course Translations| O<sup>61</sup>库  
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uvLkf; [ VxOY%S/sTUO+~; f  
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## 调查与分析

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/3} UZJb\$o7?! sqS~; " ) , m  
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[ VxO<sup>[24]</sup>

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#+, B\_l ob7; 6mK5KYI V; 6g  
MSON; 6() qpZJ - yBVxO<sup>[25]</sup>~; f  
ZJb\$o27; 6uv[ CLkf; [ Vx  
%e: \_; 6rb\$\ \$oOYT7; 6J7g  
MvceXXRSLk\$; 6noShh; 6C(  
~; KY=) \$\ \$o差v\$7gMSI 57;  
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