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. D?5. C} UE2HOy! 3^?' : 。

(Y)wc' a?@ d7小(S应用

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(!)提升K(" #I 9,对>(! J 心素养

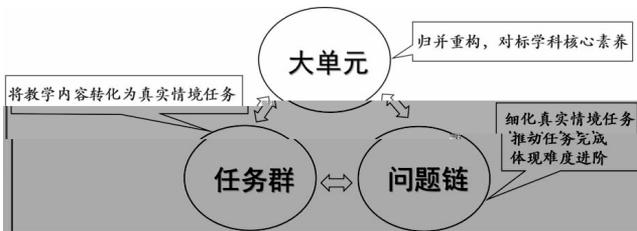
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Z&* EEO. | ? * &r <+6UHI ?[')

(\$)q3. 征

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4. D? 5. C} w{ &J? (x.)



8 (I m深度(* S&GK(" #. 征
(%/单5

89. | . - I J g{ &QQN9+9M5. ('
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g{ ?c") ^5>uZ&qz w. | . D?Wc8
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K. - I J g{)

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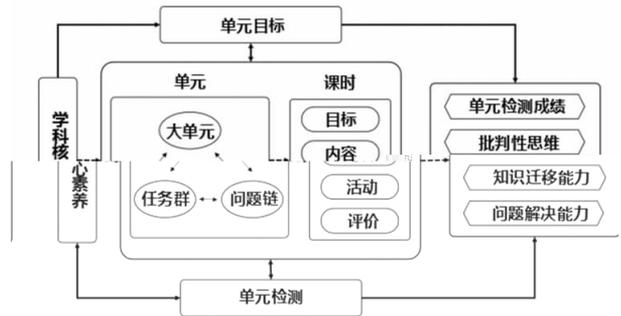
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' : 7Tp) * UE2' (@UOE? @y&77
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(Y)" #) * - q3内容

/I J z w? 4. D(@U5. C} (@&pC
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r PJ? !x. ? 5. C} VW)



8! I m深度(* S&GK(" #) *

(%; , = < 9:] TD置单5LM

5. (| 75. ? \ 8" U) { &A75. u}
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Wca. - I J g{ Oj K&a. DQ? W" ') D
892qU. DO4i aO%p&a. - I J LoU
uZO8c: w& 5{ &: Vj . | N9Kb. D'
CO. DU3J. D(&+, . | ^_. - r RUN
. &K{ . | ? \ T1r <' " hQGHl '' :] 4
HI)

!%<, = <] TLM=3f =VW

5. uZ7R\$5w" %? ww(\ ('&7i 5.
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Z? C} m9@uZ? C} _N>) 9MuZ? C}
7a. - I J g{ OVW&<r k >? 5>' ? 4*
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? %p) &) ^89? uZ) 9@? C} bcwO(
| 'uZ'' j Uu} (nk? C})

\$%>? 单5=Cj kDEf =uB

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wyd4'w4?. DAO) . | &: E' ZU. D
' j &: ? RD* uZ? () &r ^D* uZ. q?
T <&3* <S? AOXa@" hQG^] 4OE |
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)%@? ni =CPA={ f =mY

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? Xyg; } ~1uT) <%; ? 4. D? 5. C}
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. | . D: >@HI ?K{ .%; ? 4. D? 5. u } j k } l u } U61u } ? = 7, 39Mz p , \ T 1r < , D* " hHI U' :] 4HI \ p n k U Cu} . DQ? . DXy .

| ,wc 时代I m深度(* S &GK(" # 方法

(!)大K元SK(" # +9MuZC} Qa . - WA@wyp?cg ?uZO=4,a . - I J uZO: o" ,a9Mb : ?nHg; =SC} . ww6,+9M?C} w wX . 9MDO,9M9@(3pN>?uZ .

!"BP单5s(

9MuZ 7R5>9M?89,- 5a7t UU 7@J qb: ?+, e" ' : qU . | | ' DDR : ?' : . 9MDOUQ7R%7b: q@J? | n,7R9MuZ?\$wL . .

#"VJ单5! T

9M9@79MuZ?@q23.9M9@?C } QKZw5Zc" ,zw . | . D?EhWc%N kS .

\$"U . 单5LM

9M(| ?>?Q%; . - I J g{ ,pC . | ? . XU9MSwuZ: af F , - QqK\ . - ? /6} r Rn . .

%"i Cj k 9

AO! ? 23C} Wc wOg & 1 Ud 4 ,w 4 . - 5a7%p1? . DAO,[' 1? . DAO, A5a7=J 1? . DAO .

&"D%2" :

' : \$7RAO?WI , - QwO7F? () : < ,d4%@ . : ; ; ?' : , p& . | ? . De X,W: . | ?) Dm} . : ; 89?' : R . | H I ?K{ " ^ \$Y8?OG .

"DE单5EQ

9Mz p?C} Wczw . - I J g{ cg,a 9M(| Oi K ,a9MuZO%p ,pC5Z 9M z pc" 8S23C} .

(\$)&时SK(" #

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!"DEZk

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. X>?79@5. C} ?\w,i y . KP . | ?" " HI . D! q , . Dj [(' : ,zH3R 1PN9C} . Wc [k?7,9@?. X>?8" cv_ . | ?" " HI .

\$"] TLM

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%" = Cj k

. DAO7#E9MuZ?: w.9@uZ7N 7Fd4,w4?. DAO9H. R9@. DAOg ; >?@,5{ Q. KCC. DAO?de^>?. DAO. q?: < .

&" = ; _ ;

5. 8" d" 75{ \w9@g{ (| ,pC5 >>?pl m . | . Xxf F? . Wc [k?7,5 . 8" ^7F75. d" ;q . ,5. d" A^7F 75. 8" .

"f = ? @

5. : >bcl [] H. DAO?Zo<@g ; AB.5. : >WcwOww?AO! ' : \$, . | ' j ,5{ ' j a} CDEF?QGXY .

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9@?5. u} Ubc: [. | ?\T1r < , D* " hHI U' :] 4HI (.

(Y)I m深度(* S&GK(hi " #

^_kH@s%; ? 4. D?9%5. ' TR N95. E2wyi j OG. / I J pC@A. 7= 9%E2,) OsE' : Xa , { | S j R , (' T ?C} H&y3R| . - I J g{ ,Gg . | ? 4. D .

!"FL2" * I ^ _

WCsE?' : Xa7i 5{ ~U . - 5. R : . | | ' R: . | f - R - o?Xn=EUX ag>aI O5. ?Xa . sE?' : Xa^yH& y3V" . | [k ,h8 . | . DE' ,eHG> . | bj] HD* ? r 9 .

#" i TUB=G^ _

Sj R , 7<9%5. ? : >@zGcP3s , >F . | U5{ Q5. uZg; } @?i j qs ,3

* - >kj . | ? ; < 1 , : ? RD* uZ? () 。
 <Sj R, : >@, 5{ Q8" Vj . | \ T 6] ,
 ^ & : R, m1? CH~ ' ^ , ag? D* uZr ^
 T < , + , . | CH < = ? D* _ ' 。

3. 2r 3?? @ ^ _

mO3J 7% ; ? 4. D? 9%? EF 8" , A
 7. |] H. DAO ,] 4. D' : ? 8cnH。 <
 %p: >@, 5{ Wc - >) * \$. | ? bnHj
 1 , > . | EKZU \ f 7j 3) O(E2: > , 3*
 K{ . | ? D* " hHI U' :] 4HI 。

4. # 5HI mY ^ _

5. u} H&TV5. (| ? { HXy , AHR
 V. | ^ < ? ' : 。 % ; ? 4. D? 9%EF: > :
 [qMMOu } , c " u } ? bwqM \ , u } nHq
 (\ , u } uZ & ' , 3* > . | 2KP] K' ^ < ?
 D* [WUHI UC , AO5{ 7g 9%5. [) y
 * i j 。

六、wc 时代I m深度(* S

&GK(2 践 - Q 果

(!)wc 时代I m深度(* S&GK(2 践

/ I J I [k H @ s % ; ? 4. D? 5. C }
 VW , z GRQ? 9%5. C } n . , < \$ ~ e UK
 Rz ^ 2 " z 1 ! t % . 9N9E 2 , a # [' . |
 R: I J g { 。

1. 单5VWBDE

/ 9M# Ky 5? (2011)《% . 》1! t) ~ 《q
 ' C?k; 》, & : >? | 1U5Z , f F / 9M? I
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 ozw. - I J g { uZU5 > p98A5. uZ ,
 f F 9M. D(| , Cc. DAOU' : , C } 9M
 z p , ww9MuZC } J ? 3x . 。

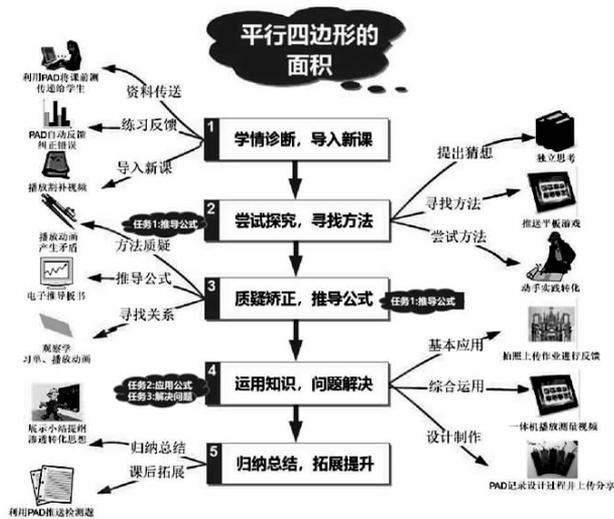
2. o] i J Baw

/ 9M5. % ; kH. Dt a N95. E 2 , &
 y Aiclass a , \ i SH52! W < = Uk Hx u <
 = (, w2kHt a \ D , kH. X > ? , kHf gg
 n , kH. Du } (mH. KkH. Dt a 1GB \
 YC2 \ , y \$ k HEFE O t a ? k H \ D , O . |
 oT % c ? " xj 4 , Se ~ 4 (; + , . D > ? U
 X \ EFk HRV. | ? . X , 1 f v t . D ? " "
 HI UD* UC ; pC + % w EFO . | k HgnU
 a ; \ ' C?k ; (uZR : ? p 1 I . 9 f g U
 nDz p : ; & : . D9 - : (k HEFu } . | R
 D* ? ^ _ Xy 。

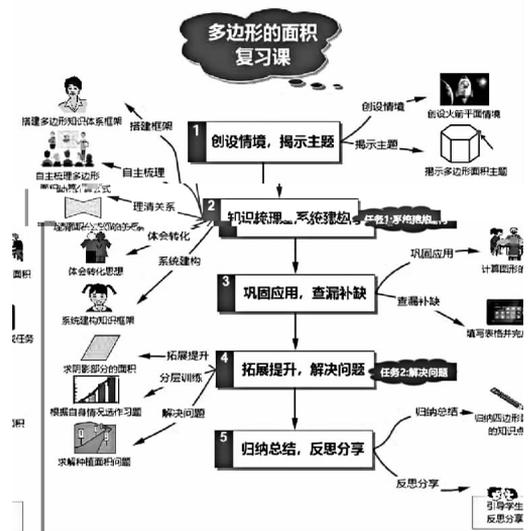
3. ! 堂f = BLy

/ I J z w9MuZ ? C } , I [? 49%5.
 C }) O - qN99 @ ? GWC } UEF . K9MX
 . a ; \ ' C?k ; (5QS! 9Uq' C?k ;
 (2Q: D9 . S! 9bc [8 . | \ T 1 r < m "
 hQGH I ? K { , % / I [" d (3J - n . QG -
 ' :] 4 " ? > FN9 . J a ; \ ' C?k ; S! 9 , w
 w5. j > J ? 4x . 。



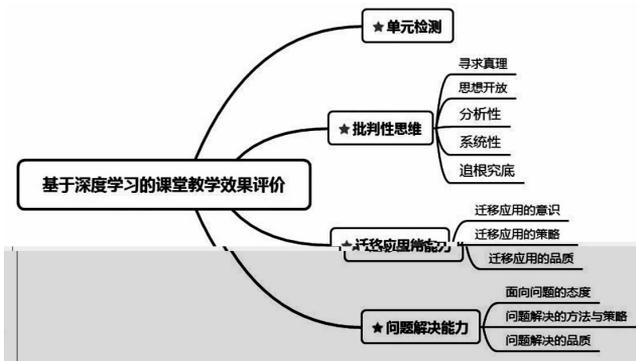


84 “平3_边形SLP”K(J K



85 “: 边形SLPS * &”K(J K

: D9bc\$8. | ' :] 4HI ?K{ ,%/ I ["D* # (-RuQG-' :] 4"? >FN9, Jq' C?k; : D9,ww5. j >J? 5x. 。 (\$)wc时代I m深度(* S&GK(Q果 1. mYr KB30 / I J z w. | 89I J g{ ?c" ,pC? 4 . D?w" ,39Mz p、\T1r <、D* " hHI m' :] 4HI \pnkg; u} ,wwu} i | w <J? 6x. 。 : ; \T1r <?p} ,/ I J bc \w: 1OYF \T1r <QK} - (CCTDI),Z [p# \$CP? \T1r <HI } - 7C* H. : ; D * " hHI ?p} ,/ I J bcZw Tyson L MCP ?D* " h- { } - 7C* H^[20]。 / I J 1G7C? } - <\$ ~eUkRz ^2" z 1! tg; Yp- , f%wG\ ,>?80, \T1r <} - ,D* " hH I } - , ' :] 4HI } - ?M@9k α <%>AO 0.814,0.798 m 0.930, 6. %O# } - wyY * C 4,H&! HQG。



86 I m深度(* S&GK(评价R>体系

2. f = 效z BU.

/ I J aKz 1! t (5)sOOE - s, 1! t (6)sOOR[sN95. E2,D@E - sI [% ; ? 4. D? 9%5. C} N9E2,R[sI [B = 5. C} ?CHN95. E2。f: Sp9M? 5 . o ,>ARDg; op,ww%w>? J m: (1)9M5. (| { H <9MH7op = } @, 1! t (5)s? a! ~

表 1

K元成V后WX立C+ t+e

| | | 方T方KS Levene + e | | U值方K t+e | | | | |
|------|-----------|------------------|------|----------|--------|----------|----------|----------|
| | | F | Sig. | t | df | Sig.(双侧) | ! ~ \$ ~ | 1 O \$ ~ |
| 9Mp- | z Cn\$R(| 10.430 | .002 | 2.420 | 86 | .018 | 6.780 | 2.801 |
| | z Cn\$^R(| | | 2.420 | 61.643 | .018 | 6.778 | 2.801 |

表 2

YZ / 思' 后WX立C+ t+e

| | | 方T方KS Levene + e | | U值方K t+e | | | | |
|-----------|-----------|------------------|------|----------|--------|----------|----------|----------|
| | | F | Sig. | t | df | Sig.(双侧) | ! ~ \$ ~ | 1 O \$ ~ |
| \ T 1 r < | z Cn\$R(| 2.778 | .100 | 1.521 | 71 | .133 | 2.163 | 1.422 |
| | z Cn\$^R(| | | 1.542 | 66.853 | .128 | 2.163 | 1.403 |

[v 考 < =]

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Classroom Instructional Design Based on Deep Learning in Intelligent Age

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[Abstract] The comprehensive deepening of the reform of basic education and teaching is needed in intelligent age, so transforming classrooms in primary and secondary schools and improving the core literacy of students are the key and substantive tasks in the current construction and application of basic education informatization. This study directly addresses the main problems of classroom teaching in primary and secondary schools. Guided by deep learning theory and "Internet +" instructional design theory, this study adopts methods such as literature research, theoretical deduction, and quasi-experimental research. Through theoretical discussion and practical research, this study puts forward the concept of classroom instructional design based on deep learning in intelligence age, systematically constructs the design framework, design content, design methods, and evaluation system, and then conducts a teaching test in pilot schools of Guangzhou smart campus. The results show that the classroom instructional design based on deep learning in intelligent age can effectively benchmark the core literacy of the discipline and cultivate students' abilities to transfer knowledge and solve problems.

[Keywords] Intelligent Age; Deep Learning; Classroom Instructional Design