



哈尔滨医科大学
HARBIN MEDICAL UNIVERSITY



高校外语教师数字素养提升实现路径

瞿平

哈尔滨医科大学人文学院



目录

1.数字教育发展动态

2.外语教师数字素养现状及挑战

3.外语教师数字素养培养路径

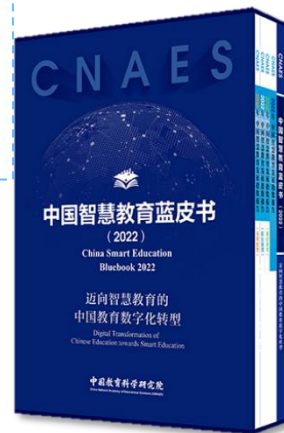
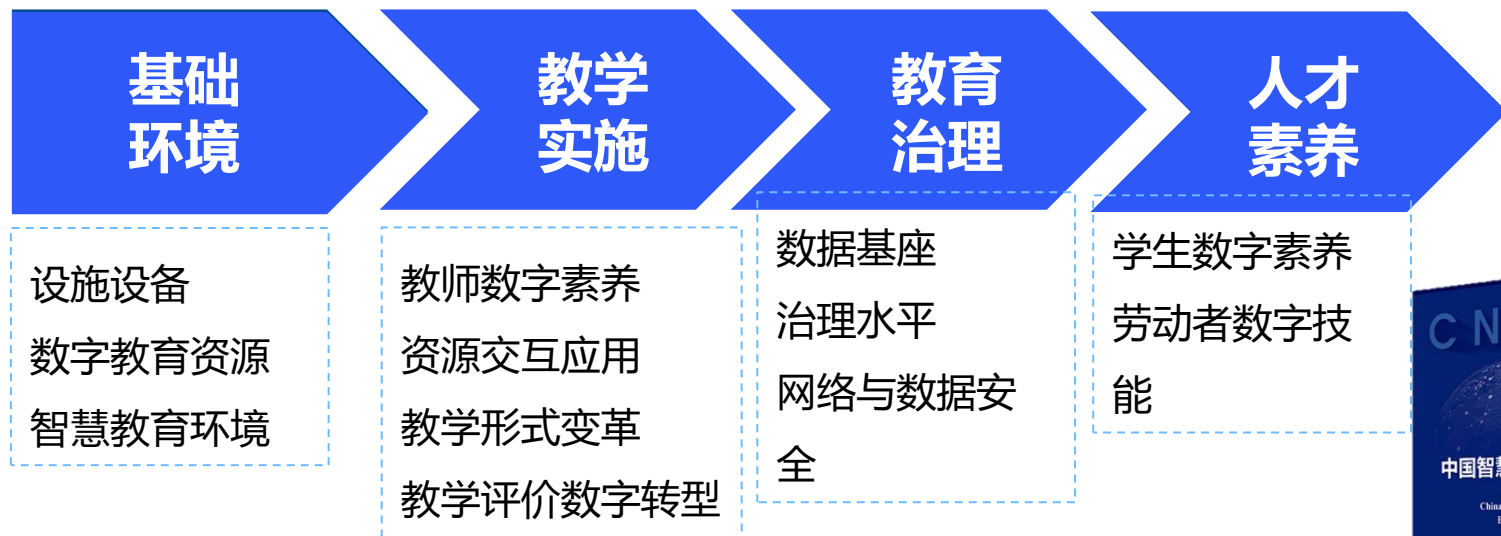


01 数字教育发展动态：关注外语数字教育新趋势



1.1 2022年（高等教育）智慧教育发展评价指标体系

4个一级维度、12个二级维度





1.2 2023高等教育国际论坛年会

吴岩：**数字化**是引领教育未来的动力引擎，要充分利用数字技术谋求教育新发展

提出5点倡议：

- 一是以**数字教育**改变学生的学，掀起一场学习革命；
- 二是以**数字赋能**改变教师的教，推动一场教学革命；
- 三是以**数据驱动**改变学校的管，加快精准教育治理变革；
- 四是以**教育数字化**为引领，重塑教育教学新生态；
- 五是以教育**数字化国际交流**为纽带，构建国际合作新范式。





1.3 外语信息化的历程

大学外语教育信息化三个阶段



外语电化教学



计算机网络辅助教学



信息技术与外语教育的深度融合

技术媒体观——认知工具观——技术生态观的历史跨越



02 .外语教师数字素养现状及挑战： 以哈尔滨医科大学为例



2.1 当今外语教师数字素养要求

21 世纪数智化外语教学蓬勃发展的阶段，信息技术与外语教学的**结构、形式、内容、资源**等融为一体，与课程互为和谐自然的有机组成部分。

在线资源丰富，慕课实现教育公平、优质教育资源共享、东教西输方面发挥了重要作用；教学环境智能化（交互式电子白板、智慧教室），辅助工具多元化（语音识别、智能翻译）。

要求外语教师具有高水平的数字素养，具有利用**数字技术优化、创新和变革教育教学活动的意识、能力和责任**。



2.2 外语教师数字素养的养成（医科大学为例）

哈尔滨医科大学简介



- 部委省共建大学、黑龙江省国内一流大学建设高校、中俄医科大学联盟中方牵头单位
- 学校设18个二级院部和8个事业单位。附属医院9所，其中直属医院5所。有教职工18312人其中大庆校区503人），在校普通教育本科生16364人（其中大庆校区8254人），研究生8855人（其中博士研究生2116人，硕士研究生6739人），留学生267人
- 学校有博士学位一级学科授权点9个，硕士学位一级学科授权点10个，博士专业学位授权类别2个，硕士专业学位授权类别7个，博士后科研流动站6个，本科专业33个。国家重点学科2个，国家重点培育学科1个，省级重点学科（群）21个。



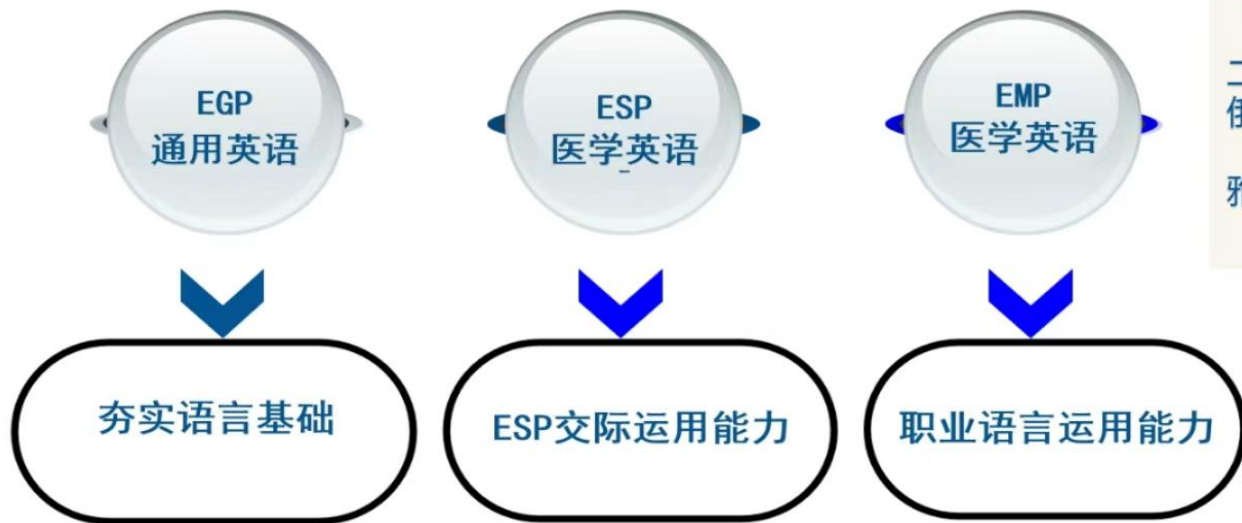
2.2.1 课程设置

英语课程的教学体系

1) 按专业需要提供服务

2) 研究型教学新模式

3) 系列课程拓展













跨文化课程

二外: 日语
俄语

雅思课程



2.2.2 医学英语数据库建设 (共建576个)

(持续更新)

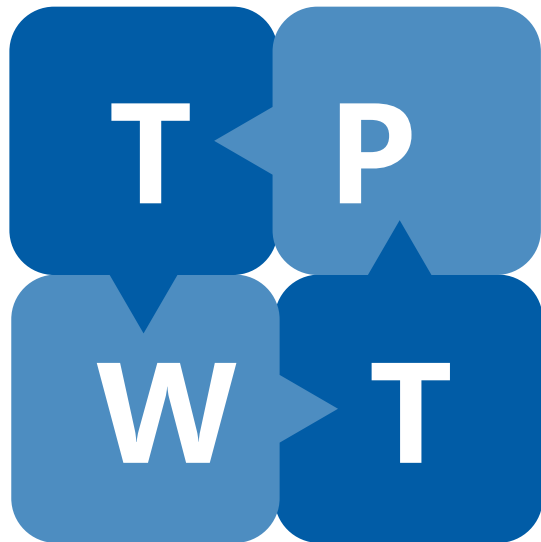
2.2.3 数字课堂技术创新

信息技术与课堂融合

教学平台
大数据
微信平台
远程视频
.....

微信平台

师生、生生互动
构建良好的师生关系



教学平台

雨课堂、对分易、学习通
自主学习知识、建构理论
预习、测验

大数据

线上问卷
投票
作业
考试

2.2.4 数字赋能课堂基础建设



2023秋 口语 李英健 临床7-8班

学生努力值

课程	姓名	成绩	状态
2023秋0184	周子	187.90	通过
2023秋0181	魏博	124.00	通过
2023秋0182	张博	121.00	通过
2023秋0180	董博	183.00	通过
2023秋0183	王博	109.00	通过
2023秋0185	刘博	107.00	通过
2023秋0186	付博	101.00	通过
2023秋0188	程博	107.00	通过
2023秋0172	李博	106.00	通过
2023秋0186	魏博	105.00	通过
2023秋0190	张博	104.00	通过
2023秋0189	王博	103.00	通过
2023秋0187	李博	103.00	通过
2023秋0187	李博	103.00	通过
2023秋0181	周子	103.00	通过
2023秋0187	李博	103.00	通过
2023秋0175	张博	102.00	通过
2023秋0189	王博	102.00	通过
2023秋0174	李博	102.00	通过
2023秋0166	李博	91.00	通过
2023秋0186	魏博	90.00	通过
2023秋0182	张博	87.00	通过

作业考试_辅助教学_智慧树网

https://hikeweb.zhihuishu.com/HomeworkExam/atHomeworkExam/tch/homeworkQ/homewor

智慧树 | Green

截止时间: 2022.09.24 19:14 0条评论

作业 9.7 writing

Write at least 150 words on this topic:What is your plan in this semester/ in the near future? PS: your student No , name, hometown,

截止时间: 2022.09.13 18:28 0条评论

作业 quiz翻译写作

如题所述~

截止时间: 2022.06.02 16:40 0条评论

作业 quiz翻译写作

如题所述~

截止时间: 2022.06.02 14:35 0条评论

作业 翻译写作quiz

如题所述~

截止时间: 2022.06.02 11:30 0条评论

作业 翻译英文摘要

身份切换 罗平

更多设置 + 创建新课

84 资源数

第学期

师说直播

ping Qu

- 哈医大教学管理
- 公共卫生课收到
- Aliza
- 祝老师节日快乐!身体健康,万...

忽略全部

2.2.5 教学活动与方法 (线上线下结合)

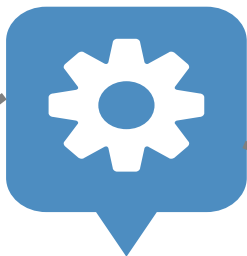


总体思路

内容依托: 真实可视化案例

实施手段: 混合型教学法

教学理念: 以学生为中心



线上教学

目的: 培养自主学习能力

内容: 基础知识线
任务活动线
实时背景线

形式: 引导式
启发式
任务式



线下教学

目的: 发展学术交流能力

内容: 重点、难点
任务活动
学术新进展

形式: 参与式
探究式
体验式



课外实践

目的: 拓展语言实践

内容: 课内主题
社会热点

形式: 情境式
主题式

2.2.6 线上内容实例一(任务式)

Major Assignment

Step 1

Prepare a four-minute long talk with visual aids (such as ppt). The theme of your talk could range from introducing a disease to explaining a certain (medical) technique/device to summarizing the main ideas in a research article.

知识维度

If you are introducing a disease, the possible components can include: symptom, prevalence, diagnosis, treatment, complication (if any) associated with the disease, and prevention;

If you are introducing a technique or a device, the possible components can include: purpose, mechanism, usage, advantage & disadvantage (if any);

If you are summarizing the main idea in a research article, please go to www.nejm.org for inspiration, especially the “quick take” column on the “multimedia” section.

技术维度

Step 2

You should incorporate your voice-over onto your PowerPoint. If you have no idea how to do this, please refer to the following website to learn.

<https://jingyan.baidu.com/article/ed15cb1b9889bc1be2698153.html>

评价维度

Step 3

Use the following self-Evaluation sheet to score your performance and see how well you finish this task.

线下活动实例二(搭建“脚手架”)

Describing a Graph

Vocabulary

nouns: decrease, increase, fall, drop, rise, climb, leveling off, plateau, peak, maximum, minimum, local maximum, local minimum

verbs: decrease, increase, fall, drop, rise, climb, level off, plateau, peak, reach a [local] maximum/minimum

adjectives: sharp, steep, sudden, slow, slight, gradual, steady

adverbs: sharply, steeply, suddenly, slowly, slightly, gradually, steadily, exponentially, logarithmically

Vocabulary meaning Explanations:

- Rise sharply = *skyrocket*, Rise sharply then fall sharply = *spike*
- *Exponential growth*: looks like $f(x) = c^x$ for some constant $c > 1$.
- Very high or very low level: “*skyrockets off the chart*” or “*falls off the chart/table*”
- Something unexpected = *anomaly* (could be spike, plateau, different pattern, etc.)
- Angle of line = *slope*: *gradual/slight/slow* $\sim < 30^\circ$, *sharp/steep/sudden* $\sim > 60^\circ$
- *Trend* = basically one slope but may have anomalies

minimum / global min / local min

maximum / max / peak / local max

plateau (flat part)



线下活动实例三(体验式)

双轨式课堂活动设计

英语脱口秀节目《健康之路》

The Road to Health

1. 人物设置：主持人（1人）；医学专家（2人）；记者（2人）；观众（2人）
2. 节目主题：预防健康和整体性健康。
3. 节目设计：围绕阅读材料中提供的概念、方法、措施和建议编排节目。记者与观众根据材料内容分别从记者和百姓自身角度现场向专家提出健康相关问题，专家以阅读材料中的内容为基础以及自行查阅的内容来解答问题，包括健康的定义以及实现的途径等。

1. 主线1：一位专家、一位记者和一位观众负责大学生健康版块，就目前大学健康状况提出解决办法和建议。

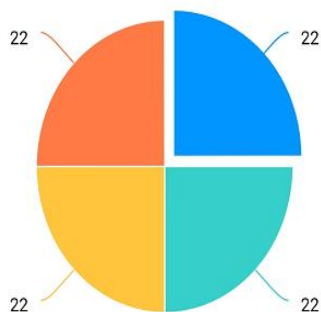
2. 主线2：另一名专家、一名记者和一名观众负责老龄化社会健康问题，根据第七次人口普查结果显示的老龄化社会严峻形式，提出老年人保健的方法及措施。

实例四：技术创新实例(线上平台、大数据、微信)

正确率:100.00% 显示全部题目正确率

选项	小计	比例
Physical (答案)	22	0%
Mental (答案)	22	0%
Emotional (答案)	22	0%
Spiritual (答案)	22	0%

饼状 圆环 柱状 条形



Physical (答案) Mental (答案)
Emotional (答案) Spiritual (答案)

[课程通知] English...urpose

Wellness Quiz

Nellie 06-20 16:57 编辑 撤回

收件人: 默认班级

Scan the code or click the link to finish the survey.
<https://www.wjx.cn/vm/hKqDYI7.aspx>

长按图片扫码

[课程通知] English...urpose

Public Health Events

Nellie 06-20 16:58 编辑 撤回

收件人: 默认班级

Scan the code or click the link to finish the survey.
<https://www.wjx.cn/vm/wMhtKNU.aspx>

长按图片扫码

2019级基础七年制英语(76) ...

6月2日 上午11:06

1班 汪诗林

1班 展春淼

张诗雨2019173002

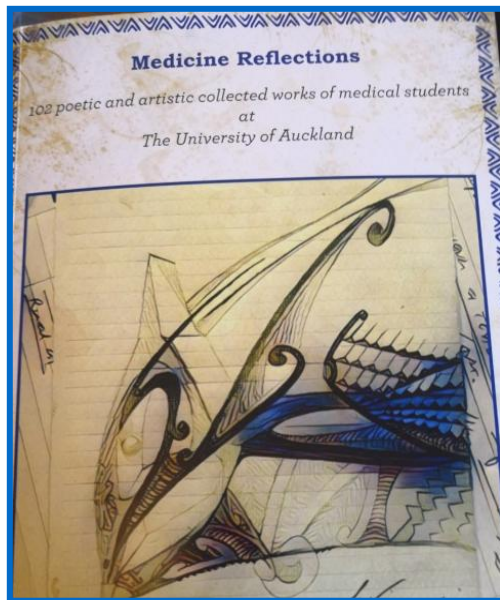
四班张可为2018173022

By painlessly ending the life of a person suffering



2.2.6 人文赋能教材、译著

人文赋能医学英语教材、医学人文教材



新医科英语“十四五”全国规划教材

复旦博学·当代医学英语系列
总主编 陈社胜

II
Audio-Visual-Oral English
for Medical Purposes
Health Management

健康管理



当代医学英语视听说教程 II
(第2版)

主 编 于 洋 张 聪 宋 晓 丹

复旦大学出版社



新医科英语“十四五”全国规划教材

复旦博学·当代医学英语系列
总主编 陈社胜

I
Audio-Visual-Oral English
for Medical Purposes
Health Promotion

健康促进

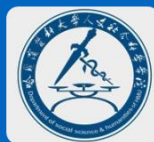


当代医学英语视听说教程 I
(第2版)

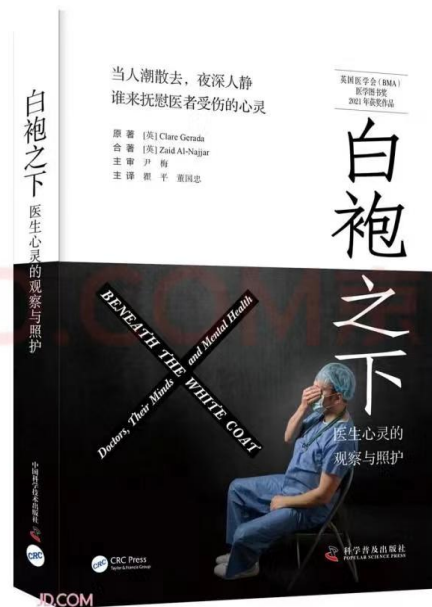
主 编 黎 亮 杨 克 西 李 艳

复旦大学出版社

2.2.6 人文赋能教材、译著



- 《白袍之下》 **2023年医学界好书 人文类**
- 医生心灵的观察与照护
- 主审：尹梅
- 主译：瞿平 董国忠
- 英文版：劳特里奇出版社
- 2021年十大有价值的社会图书



2.2.7 数字赋能外语讲座

为全校学生开展英语四、六级系列专题讲座，涵盖听力、写作、翻译内容，全力助益医大学子四六级考试。上线人数超过**3000人**



哈尔滨医科大学
Harbin Medical University

大学英语四、六级讲座

助力学生学科发展

李英迪

哈尔滨医科大学人文学院



外语教研室教师，从教十余年，多次指导学生参加英语省级比赛并获得优异成绩，承担英语听说课近七年，在英语四六级听力教学方面颇有方法与心得。

讲座包含的四六级听力技巧：

1. 听力题第一遍听什么、第二遍听什么
2. 听力题第二遍听什么、第三遍听什么、怎么听
3. 听力题第三遍听什么、怎么听
4. 听力题第四遍听什么、怎么听

真实答题情况

主讲教师：李英迪、李英迪、李英迪、李英迪……

讲座主题 ▶
四级听力技巧及真实还原答题实况

讲座时间 ▶
11月26号14:30-15:30



◀◀ 扫描左侧二维码
观看直播

大学英语四级写作

主讲人：曹秀平

曹秀平，哈尔滨医科大学人文社会科学学院英语教研室副教授，获黑龙江高校“教学之星”称号，外研社“外研社杯”全国大学生英语竞赛一等奖，主持《大学英语四级写作》课程，参与《大学英语四级写作》教材编写，主持《大学英语四级写作》课程，参与《大学英语四级写作》教材编写，主持《大学英语四级写作》课程，参与《大学英语四级写作》教材编写……



直播时间：
12月2号14:30-15:30

直播内容

- 大学英语四级写作评分原则及评分标准
- 大学英语四级写作谋篇布局、通词造句及衔接连贯等写作方法

大学英语四级写作在线讲解 →
扫描二维码预约观看直播



大学英语四级翻译

主讲人：孙谊

孙谊，哈尔滨医科大学公共英语综合、视听说、翻译课程、留学生汉语、中国概况等课程



直播时间：
12月9日14:30-15:30

直播内容

- 汉英翻译题评分原则及标准
- 四级真题翻译题讲解

大学英语四级翻译在线讲解 →
扫描二维码预约观看直播



2.2.8 教师数字素养培训





- 1. 新型的课程：外语+人才培养新模式，跨专业课程，
- 2. AI人工智能
- 3. 高效数字课堂的要求


问题：1. 如何实现数字人文赋能外语课程？
2. 医科院校研究生外语课程如何开展？



2.3.1 新型课程

叙事医学:

NARRATIVE MEDICINE



MENOUJJI DJETOYOM
PATRICE

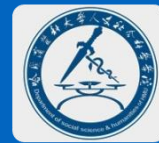
Portfolio section 3: Ethics and the Laws

Ethics is defined as a reflection on the behaviors to be adopted to make the world humanly habitable. Ethics in the context of care is called clinical ethics. It deals with ethical issues that arise primarily in the practice of health care providers. Clinical ethics affects all decisions, uncertainties, conflicts of values and dilemmas that physicians, health care professionals and social services face. The goal of clinical ethics is to improve the quality of patient care and the quality of the work of clinical care providers through an interdisciplinary approach by identifying, analyzing and proposing solutions for patients ethical problems that arise in clinical practice.

It is important to recall the definition of ethics to try to better understand what happened between two co-workers in one hospital. It is about a nurse, assistant to an anesthetist and a biomedical technician. The two individuals in question had been in a romantic relationship while working in different clinics. However, after some couple problems, they separated just before the technician was posted to the same hospital. So there were a few skirmishes but they continued to work together until the day this incident occurred. It was the period of preventative maintenance and the maintenance department was overwhelmed by work. An emergency had occurred and all other operating theatres were occupied. The only one which was free had no electric bistouri. The nurse went to the emergency maintenance department to look for one. Then she asked the technician who refused to get up and give her another one and asked her to go and serve herself. Then she made a mistake and took a bistouri that had a failure. By performing the surgical procedure, the patient had severe burns. The ethics committee met this nurse and she was severely punished. Just because according to hospital rules, she was not allowed to go to the maintenance department and recover herself an equipment without authorization. But in reality she just wanted to do a good job and save a life. She was the only one to be sanctioned. To prevent the patient from filing a complaint, a heavy fine was imposed. In order to preserve the hospital's notoriety, she was suspended for one month. This sanction was exemplary because it reminded each health care staff of the limits of their respective skills.

This is a delicate situation that ethics has tried to resolve in order to preserve human life and good moral values. It should be noted that the technician also had some responsibility in this case. It is a drain of responsibility on his part by letting someone who does not have the necessary skills make a decision involving human life. But what I wanted to make clear is that laws are not always enforced properly. But the relationship between medical and paramedic personnel is very important. Hence the intervention of narrative medicine. It is not just patients who need to be listened in order to solve their health problems. Medical staff also often need this listening session to be able to discuss about interpersonal issues and how to solve them. Because there are many problems in this environment, small problems between staff which can have repercussions, or disastrous consequences on patients. Caregivers must be mentally strong, as sometimes they are stressed by the mistakes they had already made. In my opinion, narrative medicine in this case should not be like therapy but rather a session of relaxation and confidence just to improve his personal performance. This is a personal experience, but if we conduct surveys, we may encounter many cases like these that have gone unnoticed by public opinion.

afflict the person [redacted] - Purpose: Discuss the importance of self-care and resilience for personal and professional practice
 overseen by a sh [redacted]
 worlds. In addition, the concept of karma contributes to an individual's state of health

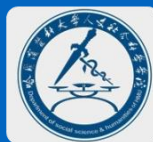


3. 外语教师数字素养培养路径探索



3.1 产研结合，虚实结合新探索

- 1.产研结合**，借助各数字平台，探索信息技术与英语教育教学融合创新的模式和方法。
- 2.虚实结合新探索**，实践新形态教学 积极发挥虚拟仿真技术优势，把教学活动融入实践实训中。



3.2 数字资源支持，教研相辅相融



iWrite 爱写作

英语写作教学与评阅系统
评阅效果，业内领先



产品特点

智能评阅纠错，省时高效

辅助教师，助力教学与科研

NEW

- 特定文体定制化评阅
- 跑题检测优化升级
- 双核引擎纠错，精准详实
- 写作中心-教学新模式
- 智能AI课堂同伴互评
- 续写模块教学前沿

- 写作教学支持
- 移动场景教学
- 生成讲义数据分析
- 中国学习者语料库

激活 Windows



3.2.1 数字赋能写作模式

点赞句
典型错误标注
错误类型统计

大班写作教学

一稿多磨
版本对比
过程性写作教学

小班写作教学

创造与模仿并行
输入与输出结合

读后续写教学

商务写作
留学文书
.....

写作中心个性化辅导





3.2.2 学术论文写作支持 (AI技术加持)

一串重大新功能

- 学术短语库
- 分段纠错, 突破词数限制
- 句子润色 (3条备选)
- 论文结构修改建议
- 根据标题生成提纲

Before

没有 AI 写作支持

返回上一页 提交

H1 H2 H3 B I U 注

A research on high school student's English wr...

what are you doing? an increasing number of museums offer visitors free admission at home and abroad, which is the hot spot of people's attention. Actually, we can clearly figure out the purpose of this approach. To begin with, it can be seen that the government attaches great importance to the development of Chinese historical tradition. Furthermore, in our society, everyone should learn and develop the world's knowledge, culture and history. Moreover, the free opening of the museum provides us with convenience. Then most people can e

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词数: 322 📄

提纲生成

请输入你的论文标题或关键词

提交

推荐提纲

- I. Abstract
 - a. Brief acknowledgment and overview of the research objectives
 - b. Concise summary of key findings and conclusion
- II. Introduction
 - a. Introduction of the specific topic on high school students' English writing strategies
 - b. Explanation of the purpose and importance of the study
 - c. Preview of the article's structure and themes
- III. Literature Review
 - a. Review of relevant theories about high school students' English writing strategies
 - b. Analysis of the limitations and issues of existing studies
 - c. Identification of the need for new research
- IV. Method
 - a. The design of the study (including subjects, research methods, and data collection)
 - b. The classification of English writing strategies used
 - c. The methods of data collection and analysis
- V. Discussion
 - a. Analysis of the overall features of high school students' English writing strategies
 - b. Analysis of the features and effectiveness of individual or typological English writing strategies

换一个

加入正文

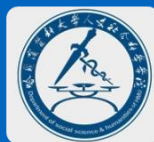
3.3 学习共同体保障，鼓励互动分享（例如：同行评价模式）



The screenshot shows the iWrite website interface. At the top, there are navigation tabs for '错误类型统计' (Error Type Statistics) and '客观特征统计' (Objective Feature Statistics). The main content area displays a table with columns for '序号' (Serial Number), '作文标题' (Essay Title), '作业标题' (Assignment Title), 'Flesch-Kincaid Grade Level', and 'Flesch Reading Ease'. The table lists 15 rows of data. Below the table, there is a pagination bar with '首页', '上一页', '1', '2', '3', '4', '5', '下一页', and '尾页'.

序号	作文标题	作业标题	Flesch-Kincaid Grade Level	Flesch Reading Ease
1	Changes in miles	travelling mode	5.63	78.24
2	travelling mode	travelling mode	9.62	59.77
3	travelling mode	travelling mode	9.62	59.91
4	travelling mode	travelling mode	9.62	59.91
5	travelling mode	travelling mode	9.69	59.41
6	Travelling Mode	travelling mode	8.66	67.73
7	Travelling Mode	travelling mode	8.66	67.73
8	Travelling Mode	travelling mode	8.75	64.72
9	The change of th...	travelling mode	8.46	67.72
10	Travelling Mode	travelling mode	11.75	54.62
11	Travelling Mode	travelling mode	11.72	54.48
12	Travelling Mode	travelling mode	11.92	53.09
13	Changes of travel...	travelling mode	9.94	59.94
14	Travelling Mode	travelling mode	7.14	71.81
15	Travelling Mode	travelling mode	7.12	71.45

3.3 学习共同体保障，鼓励互动分享（例如：同行评价模式）



- 自由设置维度、选项
- 允许学生文字评论
- 增加评价反馈：评价是否有用

Before

教师提供规则引导，没有量表，学生只能打分

*量表名称 同伴互评反馈量表

量表描述 此量表适用于各种类型文体的互评，量表共包含7个互评维度，每个评价维度包含5个level，互评时在每个互评维度下选择文章对应的level即可

互评维度 Good overall structure?Ideas ordered effectively?

选项描述

Excellent

增减选项: ⊕ ⊖ 上移下移: ⊙ ⊙

Very good

增减选项: ⊕ ⊖ 上移下移: ⊙ ⊙

Good

增减选项: ⊕ ⊖ 上移下移: ⊙ ⊙

Poor

增减选项: ⊕ ⊖ 上移下移: ⊙ ⊙

Very poor

增减选项: ⊕ ⊖ 上移下移: ⊙ ⊙

是否允许

您对小伙伴的评价是否满意？请轻触评分



评价准确

建议中肯

对我帮助很大

其他

文章通顺，能够在文中熟练地运用新的写作技巧，结构清晰。单词选取得准确，表达到位。

互评量表

How well did the author include the appropriate content in the abstract?

Excellent: The abstract was perfect.Nothing could be done better.

Excellent: The abstract was perfect.Nothing could be done better.The abstract was perfect.Nothing could be done better.

Excellent: The abstract was perfect.Nothing could be done better.

Excellent: The abstract was perfect.Nothing could be done better.

提交



数字人文赋能对外语学科发展理念、教师素养、人才培养和学术研究的赋能将促进外语学科内部以及外语学科与其他学科协同创新、外语学科人才培养体系重构和外语学科教学研究新范式形成，必将促进外语教育与研究的“数智化”发展。

感谢批评指正!

