

AI Addendum

(METHODS EMPLOYED BY THE AI)

The following information correlates to how the Provider will use AI in the delivery services to LEA.

Type of AI Used	Description/Common Uses	Optional	Required
Intelligent Tutoring Systems/agents (ITS)	<i>Personalized instruction based on students' individual learning needs and progress</i>		
Adaptive Learning/Assessment Platforms	<i>Adjusts the difficulty level and content of learning materials based on the student's performance and learning pace</i>		
Natural Language Processing (NLP)	<i>Analyze and understand students' written or spoken responses, providing feedback or assistance in language learning tasks.</i>		
Machine Learning-based Recommended Systems	<i>Recommend educational resources, such as books, videos, or exercises, based on students' preferences, learning styles, and performance history.</i>		
Virtual Assistants (i.e. Alexa, Siri, Merlyn Mind)	<i>Provide automated and personalized support by handling tasks, answering questions, and managing workflows.</i>		
Chatbots/LLMs (i.e. ChatGPT)	<i>Facilitate automated and interactive communication; provides instant responses to questions and assists with various tasks through natural language processing.</i>		
Data Analytics and Predictive Modeling	<i>Analyze historical data and identify patterns to forecast future trends and inform strategic decision-making.</i>		
Gamification and/or Personalized Learning Paths	<i>Enhance engagement and optimize individual learning experiences by incorporating game-like elements and/or tailoring educational content to each learner's unique needs and progress.</i>		
Computer Vision (i.e. CNNs, GANs)	<i>Interpret, analyze, and generate visual data, mimicking human visual perception for applications such as image recognition, object detection, and image synthesis.</i>		
Recommender Systems/Filtering (i.e. KNN, TF-IDF)	<i>Analyze user preferences and behavior to suggest personalized content, products, or services</i>		
Translation (i.e. Transformer, DeepL)	<i>Translate text from one language to another, leveraging advanced machine-learning techniques to understand and generate human-like language translations.</i>		
Neural Machine Translation (NMT)	<i>Algorithms used to provide accurate and fluent translations by understanding and processing entire sentences as opposed to individual words or phrases.</i>		
Speech Recognition (i.e. DNNs, Wav2Vec)	<i>Convert spoken language into text by accurately identifying and processing the acoustic signals of human speech.</i>		

Type of AI Used	Description/Common Uses	Optional	Required
Time Series Analysis (i.e. ARIMA, LSTMs)	<i>Analyze and interpret temporal data points to identify patterns, trends, and seasonal variations, aiding in forecasting and decision-making.</i>		
Reinforcement Learning (i.e. Q-Learning, DQNs)	<i>Teaches optimal behaviors and decision-making policies by interacting with an environment and receiving feedback through rewards and penalties.</i>		
Dimensionality Reduction i.e. (PCA, t-SNE)	<i>Reduces the number of variables in a dataset while preserving as much variability and information as possible to simplify analysis and visualization.</i>		
Other Types of AI Used	<i>Specify other types of AI here:</i>		
Purpose of AI Use	Description	Optional	Required
Personalized learning	<i>Customized learning to match a students' strengths, weaknesses, and learning styles.</i>		
Enhanced Teaching and Learning	<i>Assist teachers in delivering more effective instruction and help students grasp difficult concepts more easily.</i>		
Automated Grading and Feedback	<i>Automate the grading for assignments, quizzes, and exams; provides immediate feedback to students.</i>		
Identifying Learning Gaps	<i>Analyze student performance data to identify areas where students are struggling and provide targeted interventions to address learning gaps.</i>		
Supporting Special Education	<i>Additional support and accommodations for students with special needs, including personalized learning plans and assistive technologies</i>		
Promoting Engagement and Motivation	<i>Gamification elements and interactive learning experiences; increase student engagement and motivation</i>		
Administrative Support	<i>Assist with administrative tasks such as scheduling, grading, and managing educational resources</i>		
Parental Engagement	<i>Provide parents with insights into their student's academic progress, for communication and collaboration between parents, students, and teachers</i>		
Other Purpose(s) for AI Use	<i>Specify other purpose(s) for AI here:</i>		

Student Data Collected With Use of AI	Description	Optional	Required
Student Name	<i>First and/or Last</i>		
Date of Birth	<i>Student's date of birth</i>		
Student ID Numbers	<i>Unique identification numbers to students for record-keeping purposes.</i>		
Demographic Information	<i>Gender, race, ethnicity, nationality, language spoken at home, etc.</i>		
Academic Records	<i>academic performance, grades, attendance, disciplinary history, etc.</i>		
Special Education Information	<i>Individualized education plans (IEPs), accommodations, special needs, etc.</i>		
Health Information	<i>Physical or mental health conditions, medications, allergies, medical history, etc.</i>		
Biometric Data	<i>Fingerprints, facial recognition, or voiceprints for authentication or identification</i>		
Behavioral Data	<i>Behavior, interactions with educational materials, engagement levels, learning preferences, etc.</i>		
Location Information	<i>Track locations, GPS-enabled devices, attendance tracking systems, etc.</i>		
Input Data	<i>Information fed into an AI model or algorithm, which is used to train, validate, and test the model to make predictions or perform specific tasks.</i>		
Other Student Data	<i>Specify other Student Data here:</i>		
No AI used at this time	<i>Provider will immediately notify LEA if this designation is no longer applicable.</i>		

All requested AI Elements have been identified in this Exhibit and are correct at time of signature.