

FRANKLIN-SIMPSON HIGH SCHOOL

Course Name: Intro to Computing

Unit Name: Unit 5 – Artificial Intelligence

Objectives:

- **Classify the main types of artificial intelligence systems**
- **Discuss the uses of artificial intelligence**
- **Predict the future of AI**

Purpose of the Unit:

Students need to be knowledgeable in the artificial intelligence technologies and how they are evolving forward.

Prerequisites:

Basic Computing Skills

Daily Lesson Guide

Day	Lesson Content and Daily Focus Questions	Tasks/Procedures		Engagement	Assessment and/or Accommodations
		Knowledge or Comprehension Activities	Critical Thinking (High Yield / Literacy /LTF/etc.)		
1	Define artificial intelligence	Vocabulary – Artificial, cognitive science, engineer	Brainstorming - How is artificial intelligence used today	Video – What can a robot really do?	Brainstorming exercises activity slips
2	Classify the main types of artificial	Vocabulary – genetics, fuzzy logic, virtual	Why is the current trend of AI based on focused	Compare/Contrast Cognitive science-natural	Predicting next steps on a timeline....

	intelligence systems		applications likely to shift in the new future?	interface-robotics	
3	Explain the uses of cognitive science	Dexterity, crossover	What games do we play now that require human thought?	Video – Set to read our minds..	Exit slip
4	Explain the natural interfaces	Android, locomotion ,			
5	Describe the essences of the robotics program.	adaptation	What is the robotics priorities for US manufacturer?	Students will research the current research and development of different robotics programs.	Outline of findings
6	Students will begin creating a robot with Legos		Students will begin basic programming with robots		
7	LEGOS continued Relationship between science, technology, and society				
8	LEGOs continued				

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