

AI—Past, Present, and Future

Faith Reformed Church Sunday School

September 10, 2023

I. Introduction

II. Opening Prayer

III. What is Artificial Intelligence?

Artificial Intelligence (AI) = *the ability of machines to accomplish tasks that would otherwise require human intelligence*

Artificial **Narrow** Intelligence (ANI) = *the ability of machines to perform a single narrow function that would normally require human intelligence*

Artificial **General** Intelligence (AGI) = *a machine capable of performing any and every intellectual task at or above human level*

IV. AI in the Past

- A. The Turing Test (1950)
- B. John McCarthy's "Summer School" (1956)
- C. Geoffrey Hinton's "Deep Learning" Model (2012)
- D. AlphaGo Defeats the Grand Master (2016)

V. AI in the Present

- A. The Rise of ChatGPT (2022)
- B. AI's Current Superpowers

VI. AI in the Future

- A. Utopia vs. Dystopia
- B. Potential Benefits of AI:
 - 1. Robotics
 - 2. Medicine
 - 3. Education
- C. Potential Dangers of AI:
 - 1. Job Loss
 - 2. Value Alignment Problem
 - 3. Human Connection Problem
 - 4. Human Sinfulness Problem – deep fakes, plagiarism, and the church
 - 5. Existential Threat

VII. A Word of Reassurance

VIII. Question & Answer

IX. Closing Prayer