Class 3

Answer Key

Artificial Intelligence (Ver. 1.1)

1. Computer Timeline

Δi Reboot (Page 13)

1993

Δi Task (Page 19)

Do it yourself.

Δi Quiz

1. d   2. a   3. d   4. b

Exercise

A. 1. True   2. False   3. True   4. False   5. True

B. 1. Spreadsheet   2. WordStar   3. Google Search Engine

     4. Apple's Lisa

C. 1. Spreadsheet   2. Hypertext Markup Language

     3. Google   4. Watch   5. 2019

D. 1. Windows 11 is a new generation of operating system launched by Microsoft in 2021.

     2. Steve Jobs and Steve Wozniak started Apple computers.

Δi Lab (Page 22)

Do it yourself.

2. Chatbots

Δi Task (Page 28)

Do it yourself.

Ai Quiz

1. d   2. d   3. a   4. b

Exercise

A. 1. False   2. False   3. True   4. True   5. True

B. 1. Bot   2. Replika   3. Mondly   4. Andy chatbot

C. 1. A Chabot, also known as a bot, is a computer program that allows humans to interact with computing devices through voice, text, gesture, and touch.

2. With Mitsuko, we can:

   • Chat

   • Hear stories or poems or jokes

   • Play games

   • Surf webpages and pictures

3. The Mondly chatbot encourages users to practice English, Spanish, German or French.

D. 1. d   2. c   3. b   4. a

Ai Lab (Page 30)

Do it yourself.

Test Sheet 1

(Based on Units 1 & 2)

A. 1. d   2. a   3. b

B. 1. True   2. False   3. True

C. 1. A Chabot, also known as a bot, is a computer program that allows humans to interact with computing devices through voice, text, gesture, and touch.

2. Steve Jobs and Steve Wozniak started Apple computers.

3. With Mitsuko, we can:

   • Chat

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3. Robots Around Us

⚙️ ∆i Reboot (Page 34)

Two characteristics of robots are as follows:

- Sense: Robots have some sensors that enable them to sense and create awareness about their surroundings and act accordingly.
- Energy: To function or work, a robot needs power. It can work on solar power, electric power, or can be battery operated.

∆i Quiz

1. c   2. d   3. b   4. a   5. c

Exercise

A. 1. True   2. False   3. True   4. False   5. False

B. 1. Humanoid Shalu   2. Sophia   3. Kuri   4. Aibo

C. 1. Intelligent   2. Collaborative   3. Manav

  4. Electro-mechanical   5. Light

D. 1. Light Sensors, Touch or Pressure Sensors, Chemical Sensors.

  2. Robotics is the field where machines are programmed to perform tasks automatically.

💻 ∆i Lab (Page 47)

Do it yourself.

4. AI in Games and Movies

⚙️ ∆i Reboot (Page 51)

1. Emoji Scavenger Hunt
2. Shadow art

🧠 ∆i Task (Page 52)

Do it yourself.

∆i Quiz

1. a   2. c   3. a   4. d   5. c

Exercise

A. 1. True   2. True   3. False   4. True   5. False

B. 1. Shadow art 2. Robot   3. Digital media

C. 1. Big Hero 6 2. I, Robot   3. The Iron Giant

D. 1. Microbots is a dangerous type of robot in the movie Big Hero 6.

    2. Shadow Art is the game which uses the Zodiac sign.

Ai Lab (Page 60)

Do it yourself.

Test Sheet 2

(Based on Units 3 & 4)

A. 1. c   2. a   3. c

B. 1. Light   2. Shadow art 3. Robot

C. 1. False   2. False   3. True

D. 1. Light Sensors, Touch or Pressure Sensors, Chemical Sensors.

    2. Microbots is a dangerous type of robot in the movie Big Hero 6.

    3. Shadow Art is the game which uses the Zodiac sign.

Ai Ready (Page 62)

1. Yes.

    a. We need to be careful to avoid any gender bias during the design of the bot.

    b. We need to take caution when training the bot to ensure that it behaves appropriately.

2. Do it yourself.

3. Do it yourself.