



## Dubai International Private School - BR.

DIPS, in partnership with parents and community, strives to ensure all students are digitally literate, lifelong learners, productive citizens and nurture their well-being in an inclusive learning environment.

"Empowering Minds, Inspiring Hearts, Shaping the Future"

"تمكين العقول، إلهام القلوب، تشكيل المستقبل"



### Science Department

Semester: 1

2026-2027

| Grade Level     |         | 4                     | Subject: Science                                                                    |                        |
|-----------------|---------|-----------------------|-------------------------------------------------------------------------------------|------------------------|
| Teacher(s) Name |         | Layal Abdallah        |                                                                                     |                        |
| Textbook        |         | HMH-Science Dimension |                                                                                     |                        |
| Week #          | Dates   |                       | Lesson Title / Pages                                                                | CCSS / NGSS Code / MOE |
| 1               | Aug 31  | Sept 4                | Diagnostic test, classroom routine procedure, Lab safety procedure.                 |                        |
| 2               | Sept 7  | Sept 11               | Scientific method, How Do Engineers Define Problems? and how they design solutions? |                        |
| 3               | Sept 14 | Sept 18               | Unit 2: Energy<br><u>lesson 1</u><br>What Is Energy?                                | 4-PS3-1                |
| 4               | Sept 21 | Sept 25               | Unit 2: Energy<br><u>lesson 2</u>                                                   | 4-PS3-2                |

|    |         |                                          |                                                                                                                                         |         |
|----|---------|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------|
|    |         |                                          | Engineer It - How Is Energy Transferred?                                                                                                |         |
| 5  | Sept 28 | Oct 2                                    | <b>**Fall MAP TEST WEEK</b>                                                                                                             |         |
| 6  | Oct 5   | Oct 9                                    | <b>Unit 2: Energy</b><br><u>lesson 2</u><br>Engineer It - How Is Energy Transferred?<br><b>2 sessions project for posters or models</b> | 4-PS3-2 |
|    | Oct 12  | Oct 16                                   | <b>1<sup>st</sup> Semester Break</b>                                                                                                    |         |
| 7  | Oct 19  | Oct 23                                   | <b>Unit 2: Energy</b><br><u>lesson 3</u><br>How Do Collisions Show Energy                                                               | 4-PS3-3 |
| 8  | Oct 26  | Oct 30<br><b>Oct 30 End of Quarter 1</b> | <b>Unit 2: Energy</b><br><u>lesson 3</u><br>How Do Collisions Show Energy                                                               | 4-PS3-3 |
| 9  | Nov 2   | Nov 6                                    | <b>Unit 3: Waves and Information Transfer</b><br><u>lesson 1</u><br>What Are Waves?                                                     | 4-PS4-1 |
| 10 | Nov 9   | Nov 13                                   | <b>Unit 3: Waves and Information Transfer</b> <u>lesson 2</u><br>How Does Light Reflect?                                                | 4-PS4-1 |

|    |        |                                                      |                                                                                                                                                                                          |         |
|----|--------|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 11 | Nov 16 | Nov 20                                               | <b>Unit 3: Waves and Information</b><br><b>Transfer <u>lesson 3</u></b><br>How Is Information Transferred from Place to Place?                                                           | 4-PS4-3 |
| 12 | Nov 23 | Nov 27<br>(1 day for<br>National Day<br>Celebration) | <b>Unit 4: Plant Structure and Function</b><br><b><u>Lesson 1</u></b><br>What Are Some Plant Parts and How Do They Function?                                                             | 4-LS1-1 |
| 13 | Nov 30 | Dec 4<br>(Dec 2-Dec 4<br>National Day Holiday)       | <b>Unit 4: Plant Structure and Function</b><br><b><u>lesson 2</u></b><br>Engineer It - How Do Plants Grow and Reproduce?                                                                 | 4-LS1-1 |
| 14 | Dec 7  | Dec 11                                               | <b>Unit 4: Plant Structure and Function</b><br><b><u>lesson 2</u></b><br>Engineer It - How Do Plants Grow and Reproduce?                                                                 | 4-LS1-1 |
|    | Dec 14 | Jan 1                                                | <b>Winter Break for All Students</b>                                                                                                                                                     |         |
| 15 | Jan 4  | Jan 8                                                | <b>Unit 5: Animal Structure and Function</b><br><b><u>Lesson1:</u></b><br>Engineer It - What Are Some External Structures of Animals?<br><b>2 sessions project for posters or models</b> | 4-LS1-1 |
| 16 | Jan 11 | Jan 15                                               | <b>Animal Structure and Function</b><br><b><u>lesson 2</u></b>                                                                                                                           | 4-LS1-2 |

|    |        |        |                                                                                                          |  |
|----|--------|--------|----------------------------------------------------------------------------------------------------------|--|
|    |        |        | What Are Some Internal Structures of Animals?                                                            |  |
| 17 | Jan 18 | Jan 22 | <b>Semester 1 Exams (French, Civics, Social studies) followed by regular Teaching Days for Revision.</b> |  |
| 18 | Jan 25 | Jan 29 | <b>Semester 1 Exams</b>                                                                                  |  |

**\*\* Map Test week will be assigned throughout the semester for every grade level.**