

Fall 2021/22 Future Skills Syllabus for Grade 6

| Building a Spirometer | | | |
|--------------------------------|------|---|------|
| Date | Week | Syllabus content | Page |
| 9/1-9/3 | 1 | Introduce the Spirometer 9/1 - School Opening Assembly | |
| 9/6-9/11 | 2 | Quick Lab – Observing Pulse 9/11 - Make-Up Day for 9/20 | |
| 9/13-9/17 | 3 | Hands on Inquiry – What do you Breathe Out? 9/16 - National Fire Drill | |
| 9/22-9/24 | 4 | ASK - How can you Capture and Contain the Air that you exhale in One Breath? - How can you measure the Volume of that Air? - How can you use that Information to Figure out How much Air you Breathe over a Given Period of Time? 9/21 - Moon Festival 9/25 - Parent-Teacher Conference | |
| 9/27-10/1 | 5 | Imagine – Terminology. 9/27-10/1 - Communication Book Check | |
| 10/4-10/8 | 6 | Plan & Draw – Look at the Material and Design your Spirometer. 10/4-10/8 - Workbook Check G1, G3, G5 | |
| 10/12-10/15 | 7 | Create – Build your Spirometer According to your Design. 10/10 - Double Ten Day 10/11 - National Holiday 10/12-10/18 - Workbook Check G2, G4, G6 | |
| 10/18-10/22 | 8 | Test – Do the Test to see if you can Capture and Measure your Tidal Volume. | |
| 10/25-10/29 | 9 | Record and share – Record your Findings. 10/29 - Halloween Activity | |
| 11/1-11/5 | 10 | Record and share - Present your recorded findings in a Future Skills Scientific Report. 11/1-11/5 - English Midterm Assessment G1-G6 11/6 - Kang Chiao 20th Anniversary Sports Day | |
| Building a Water Rocket | | | |
| | Week | Syllabus content | Page |
| 11/8-11/12 | 11 | Introduce water rockets | |

| | | | |
|-------------|----|--|--|
| | | Research different Rockets and the Forces necessary for launching them. 11/12 - Mail Merge | |
| 11/15-11/19 | 12 | Quick Lab – How do Forces Combine? | |
| 11/22-11/26 | 13 | Hands on Inquiry – How can Forces Affect Motion? 11/22 - 11/26 - Communication Book Check | |
| 11/20-12/3 | 14 | ASK – How High and Far can we make a Rocket fly into the Air with Air Pressure and Water? 12/1 -12/25 - ID Christmas Activities | |
| 12/6-12/10 | 15 | Imagine – Identify the Characteristics of an Air Cannon. - Understand how Air Pressure and Water combine to launch a Rocket. - Understand and Apply Important Terminology. 12/10 - School Sports Day 12/6 - 12/13 - English workbook Check G2, G4, G6 | |
| 12/13-12/17 | 16 | Plan & Draw – Look at the Material and Design your Water Rocket. | |
| 12/20-12/24 | 17 | Create – Build your Water Rocket According to your Design. | |
| 12/27-12/30 | 18 | Test – Test how Far and High your Water rocket can Fly. 12/31 - National Holiday 1/1 New Year's Day | |
| 1/3-1/7 | 19 | Record and share – Record your findings. 1/3 - 1/7 -English Final Assessment G1-6 | |
| 1/10-1/14 | 20 | Record and share – Present your recorded findings in a Future Skills Scientific Report. 1/11 - Mail Merge 1/12 - 1/14 - G6 Field Trip | |
| 1/17-1/19 | 21 | 1/19 - last day of School - Closing Ceremony | |