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# Science Bridging Course Curriculum

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## **Module 1 – Physics**

Content:

- Nature research - general concepts and laws
- Natural sciences about the micro-, macro- and mega-world
- 21st century physics, quantum physics essence
- Introduction to natural science practical work
- Self-test

Duration: Approximately 5 units (5x45 minutes)

## **Module 2 – Chemistry**

Content:

- Laboratory guide
- Periodic table of elements
- Chemical reactions
- Self-test

Duration: Approximately 5 units (5x45 minutes)

## **Module 3 – Biology**

Content:

- Cells
- Simple organisms – viruses and bacteria
- The chemicals of life
- Transmission of nerve impulses

Duration: Approximately 5 units (5x45 minutes)