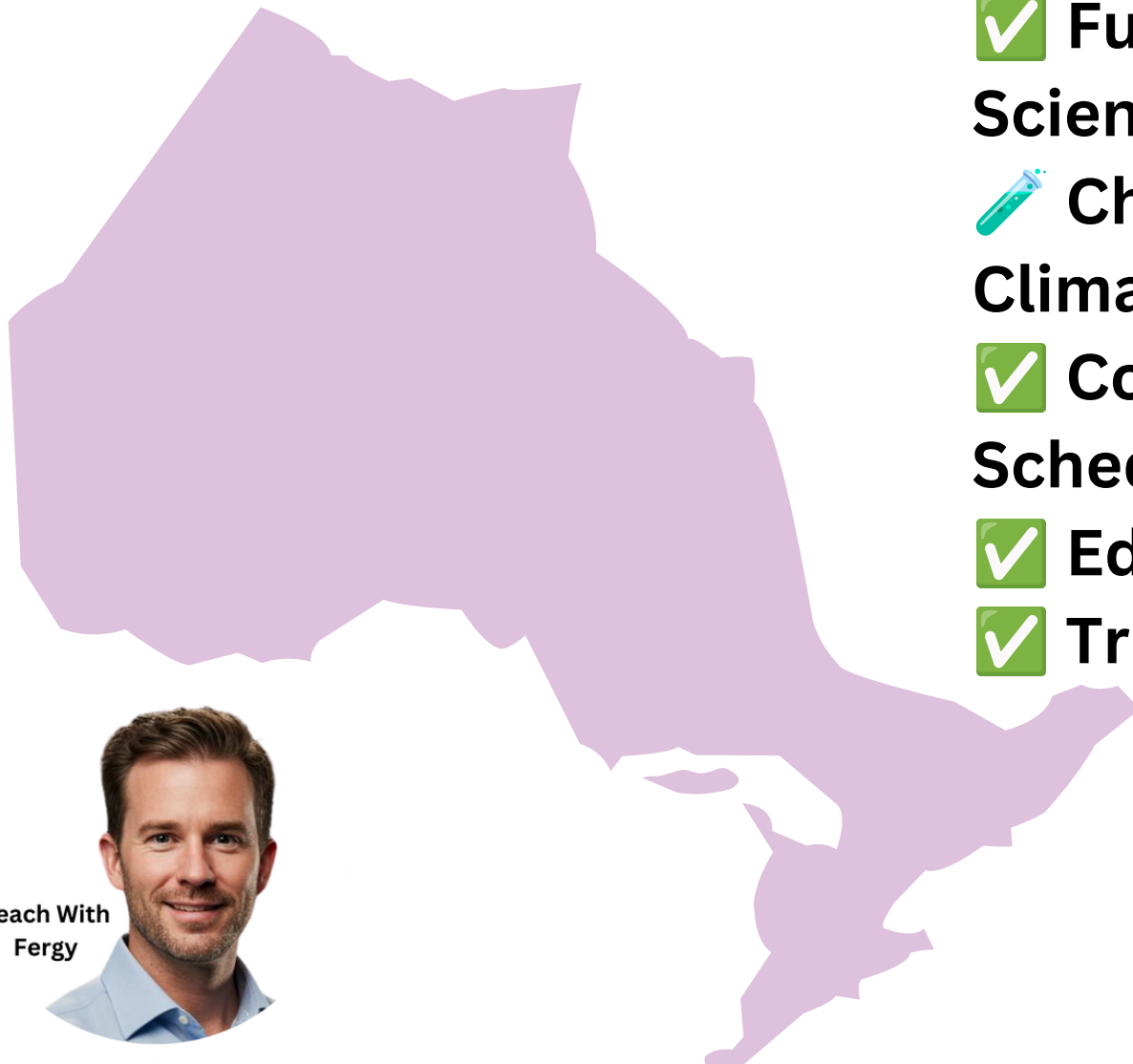


Ontario Grade 10 Science Curriculum



✓ Full Grade 10 Ontario Science Curriculum

🧪 Chemistry, ❤️ Biology, 🌍 Climate Change, 👁️ Optics

✓ Complete Daily Teaching Schedule

✓ Editable & Digital Resources

✓ Tried & Trusted by Teachers



Teach With
Fergy



Includes Everything I Use to Teach Grade 10 Science in Ontario

- **These are the exact lessons and activities I use to teach grade 10 science.**
- **I have also included a daily teaching schedule, so you know what to teach and when.**



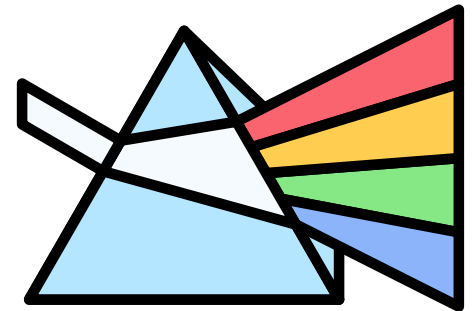
**Biology
& Scientific Skills and Safety**



Chemistry



Climate Change



Optics

Classroom Fit Guarantee

I want you to feel confident when you purchase from Teach With Fergy. If a resource is not the right fit for your students, simply contact me and I'll provide double your purchase amount in store credit toward another resource in my store.



Science Skills and Safety Unit

Daily Teaching Schedule

This teaching schedule is created in a way that lets your students watch the lesson at home before coming to class so that you can spend more time doing activities, etc. Clicking the hyperlink will take you to the video lesson. It can also be altered so that you teach the lessons using the included presentations. The worksheets can be found inside the lesson folder unless otherwise stated.

Day 1:

- Are you Smarter Than a 9th Grader? - Located in Course Introduction folder
- Teach Lesson 1 - Scientific Literacy
 - Complete Student Lesson Notes - Scientific Literacy

Day 2:

- Placebo Effect Reading and Questions - Located in Course Introduction folder (½ period)
- Teach Lesson 2 - Safety
 - Complete Student Lesson Notes - Lab Safety

Day 3

- Teach Lesson 3 - Scientific Method
 - Complete Scientific Method Student Notes
- Start - Airplane Lab - Located in Course Introduction folder

Day 4

- Finish Airplane Lab

Day 5

- Scientific Method MandM Activity - Located in Course Introduction folder

Day 6

- Teach - Lesson 4 - Scientific Notation and Significant Digits
- Complete Scientific Notation and Significant Digits Student Notes
- Scientific Notation and Significant Digits Worksheet

Day 7

- Intro Test
- Start into unit 1

Chemistry Unit - Daily Teaching Schedule

This teaching schedule is created in a way that lets your students watch the lesson at home before coming to class so that you can spend more time doing activities, etc. Clicking the hyperlink will take you to the video lesson. It can also be altered so that you teach the lessons using the included presentations. The worksheets can be found inside the lesson folder unless otherwise stated.

Periodic Table - Located in the Bonus folder

Blank Periodic Table - Located in the Bonus folder

Day 1:

- Teach - Lesson 1 - Physical and Chemical Properties/Changes
 - Students Complete Notes
 - [Lesson 1 Video](#)
- Physical and Chemical Properties Worksheet

Day 2:

- Physical and Chemical Properties & Changes Lab Station Activity - 50 minutes
 - Located in Bonus folder
- Properties of Matter Handout
- HW:
 - Watch - Lesson 2 - [Periodic Table and Bohr Rutherford Diagrams](#)
 - Complete Lesson Notes

Day 3:

- Review Video – Lesson 2 – Periodic Table and Bohr Rutherford
- Draw first 20 BR diagrams and/or Periodic Table Stumper
- HW:
 - Watch - [Lesson 3 - Lewis Structures](#)
 - Complete Lesson Notes

Day 4:

- Review Video – Lesson 3 - Lewis Structures
- Lewis Structures for first 20 then Lewis Structure War
- HW:
 - Watch - [Lesson 4 - Ions](#)

Optics Unit - Daily Teaching Schedule

This teaching schedule is created in a way that lets your students watch the lesson at home before coming to class so that you can spend more time doing activities, etc. Clicking the hyperlink will take you to the video lesson. It can also be altered so that you teach the lessons using the included presentations. The worksheets can be found inside the lesson folder unless otherwise stated.

Day 1:

- Prism Activity
 - Students shine a ray of light through a prism to observe the splitting of white light into a rainbow.
- Day 1 - Pinhole Camera - Located in Bonus folder
- HW:
 - Watch - [Lesson 1 - Light](#)
 - Complete Student Notes

Day 2:

- Review - Lesson 1 - Light
- Day 2 - Pinhole Camera
- HW
 - Watch - [Lesson 2 - Lasers, Absorption, and Transmission](#)
 - Complete Student Notes

Day 3:

- Review - Lesson 2 - Lasers, Absorption, and Transmission
- Teacher laser demonstration reiterate ideas about lasers from PP compared with light from a ray box
 - Use a flashlight to show light rays in all directions (1/4md) and Laser
- Laser Maze
 - Make teams - each team must point their laser from one of the room to the other to hit a target. To reach the target, the laser light must reflect off each participant's mirror while one group member holds the laser.
- Day 2 - Pinhole Camera - Planning and Drawings
- HW:
 - Watch - [Lesson 3 - The Production of Light](#)
 - Complete Student Notes

Biology - Cells and Body Systems Unit

Daily Teaching Schedule

This teaching schedule is created in a way that lets your students watch the lesson at home before coming to class so that you can spend more time doing activities, etc. Clicking the hyperlink will take you to the video lesson. It can also be altered so that you teach the lessons using the included presentations. The worksheets can be found inside the lesson folder unless otherwise stated.

Day 1:

- Review Unit
- Teach - Lesson 1 - The Cell Theory Notes
 - Students Complete Notes
 - [Lesson Video](#)
- Biology Word Search - Located in Bonus folder
- HW:
 - Watch - [Lesson 2 - Cell Structure and Function](#)
 - Complete Lesson Notes

Day 2:

- Review Lesson 2 – Cell Structure and Function
- Microviewers activity - Located in Microviewer folder inside Bonus folder
 - Cell Structure
 - Basic Human Histology

Day 3:

- Complete Microviewers Activities
- Start Mitosis Microviewer if done

Day 4:

- Biological Drawings - Microscopes and the Letter F - Located in Bonus folder
- Microscopes with pre-prepared slides
 - If you have access to pre-prepared slides and microscopes

Day 5:

- The Human Cheek Cell Lab - do one over one day or both over two
- Microviewers – Mitosis - Located in Microviewer folder inside Bonus folder
- HW:
 - Watch - [Lesson 3 – Mitosis – Part 1](#) (stop at 8:10)
 - Complete Lesson Notes

Climate Change Unit - Daily Teaching Schedule

This teaching schedule is created in a way that lets your students watch the lesson at home before coming to class so that you can spend more time doing activities, etc. Clicking the hyperlink will take you to the video lesson. It can also be altered so that you teach the lessons using the included presentations. The worksheets can be found inside the lesson folder unless otherwise stated.

Day 1:

- Climate Change Reading
- HW:
 - Watch - [Climate Change - Part 1](#) (stop at 5:54)
 - Complete Student Notes

Day 2:

- Introduce U.N. Climate Change Proposal
 - Choose groups and start thinking about topics
- Review - Climate Change - Part 1
- U.N. Climate Change Proposal

Day 3:

- U.N. Climate Change Proposal
- HW:
 - Watch - [Climate Change - Part 2](#) (stop at 8:10)
 - Complete Student Notes

Day 4:

- Review - Climate Change - Part 2
- U.N. Climate Change Proposal

Day 5:

- U.N. Climate Change Proposal
- HW:
 - U.N. Climate Change Proposal - DUE TWO DAYS
 - Watch - [Climate Change - Part 3](#)
 - Complete Student Notes

Day 6:

- Review - Climate Change - Part 3
- U.N. Climate Change Proposal - DUE NEXT DAY

Complete Lessons

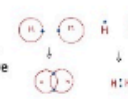
Molecular Compounds

- _____
- Negative electrons are attracted to the positive nuclei of both atoms
—This causes them to attract



Molecular Compounds

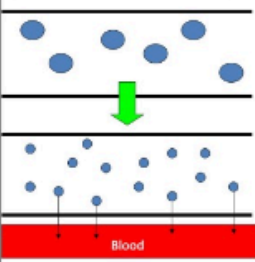
- Share electrons to form a stable arrangement
- Negative electrons are attracted to the positive nuclei of both atoms
—This causes them to attract



Student and Teacher versions of the presentations

Small Intestine

The small intestine further splits food into smaller pieces. **Most of the nutrients we take in are absorbed in the small intestine**



5

Videos embedded directly into the slides

Google Access

Thank you for your purchase. Clicking the link button below will automatically create a copy of the Google resources and place them into your Google Drive. You'll find the folder inside the 'Shared with me' section on the left side of your Drive.

Important: Before you click, make sure you're signed in to the Google account you'd like the resources placed into. If the resources are added to the wrong account, simply sign out and then into the correct one and repeat the process.

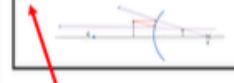
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TWF

Google Classroom Ready
One-Click Google Slides Access

Images in a Convex Mirror

- The rays reflected off a convex mirror always _____
- Reflected rays from an object never cross in front of the mirror to form a real image
- Instead they **ALWAYS** _____



Images in a Convex Mirror

- The rays reflected off a convex mirror always **diverge**
- Reflected rays from an object never cross in front of the mirror to form a real image
- Instead they **ALWAYS** create a smaller, **upright, virtual image**



Student and Teacher versions of the presentations

TWF

Interactive and Engaging Activities

Device-Based Scavenger Hunt
Cell Organelles

Includes

- 5 Unique Locations
- Online form submission
- Answer Key

Works on all smartphones, tablets, Chromebooks and laptops

• 100% Digital

- Simulations
- Quizzes
- Videos
- Games
- Word Scramble
- and more



The Human Respiratory System - Lab Station Activity



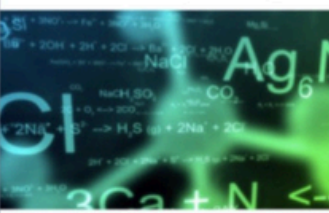
7 Lab Station Activities to get your students out of their seats and engaged in learning

Optical Phenomena
Scientific Reading Comprehension
Article and Extension Activity



Improve your students' Literacy and Analysis Skills with this Substitute Plan, for your classroom

Molecular and Ionic Compounds
Lab Station Activity

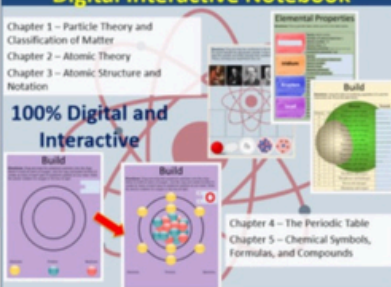


7 Lab Station Activities to get your kids out of their seats and engaged in their learning

Atoms, Elements, and Compounds
Digital Interactive Notebook

Chapter 1 – Particle Theory and Classification of Matter
Chapter 2 – Atomic Theory
Chapter 3 – Atomic Structure and Notation

100% Digital and Interactive



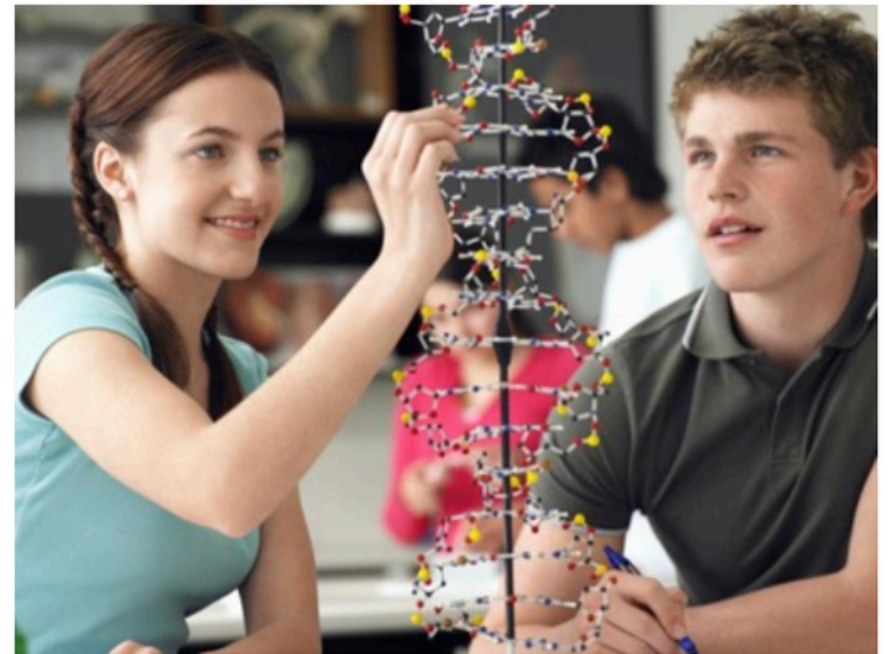
Chapter 4 – The Periodic Table
Chapter 5 – Chemical Symbols, Formulas, and Compounds

TWIF

Get away from tired practices and unengaged students



Provide a Scientifically-Proven means of instruction



Incorporate Technology and Increase Collaboration

