

The Teaching Astrophysicist Catalogue of Available Resources:

This list is current as of 17th June 2024 and will be updated periodically.

Table of contents:

- **Middle & High School Science and Mathematics:**
 - [Astro Science Articles & Research Project Templates - page 2](#)
 - [Biology Science Articles - page 3](#)
 - [Chemistry Science Articles - page 4](#)
 - [Physics Science Articles - page 4](#)
 - [Earth Science Science Articles - page 5](#)
 - [Medicine / Health Science Articles - page 6](#)
 - [Holidays / Seasonal Science Articles - page 6](#)
 - [Mathematics in Real Life series - page 7](#)
 - [How is it made series - page 7](#)
 - [International Baccalaureate \(IB\) Middle Years Programme \(MYP\) series - page 8](#)
 - [International Baccalaureate \(IB\) Diploma Programme \(DP\) series - page 9](#)
 - [Middle Years Science Resources - page 9](#)
 - [Home-school Lesson Plans - page 10](#)
 - [NGSS Aligned Lesson Starter Questions - page 10](#)
- **For Grades K / 1 / 2 / 3:**
 - [Mathematics Menus For Younger Students - page 11](#)
 - [Resources For Younger Students - page 12](#)
 - [Common Core Aligned Problems - page 12](#)
- **For all ages:**
 - [Funny Resources - page 12](#)
 - [Level-up learning frameworks - page 12](#)
 - [E-books - page 13](#)
 - [Video Companions - page 13](#)
 - [Miscellaneous - page 14](#)

Middle & High School Science and Mathematics

Science Articles & Research Project Templates - A list of those available on Teachers pay Teachers & TES

Astronomy

- Massive Stars Article #1 & Research Project Template
 - Article links - [Google Suite Version](#) - [Offline Version](#)
 - Research Project Template - [Google Suite Version](#) - [Offline Version](#)
- Comets Article #2 & Research Project Template
 - Article links - [Google Suite Version](#) - [Offline Version](#)
 - Research Project Template - [Google Suite Version](#) - [Offline Version](#)
 - Bundle of BOTH! - [Google Suite Version](#) - [Offline Version](#)
- The Sun Article #3 & Research Project Template
 - Article links - [Google Suite Version](#) - [Offline Version](#)
 - Research Project Template - [Google Suite Version](#) - [Offline Version](#)
 - Bundle of BOTH! - [Google Suite Version](#) - [Offline Version](#)
- Planetary Rings Article #4 & Research Project Template
 - Article links - [Google Suite Version](#) - [Offline Version](#)
 - Research Project Template - [Google Suite Version](#) - [Offline Version](#)
 - Bundle of BOTH! - [Google Suite Version](#) - [Offline Version](#)
- Asteroids Article #5 & Research Project Template
 - Article links - [Google Suite Version](#) - [Offline Version](#)
 - Research Project Template - [Google Suite Version](#) - [Offline Version](#)
 - Bundle of BOTH! - [Google Suite Version](#) - [Offline Version](#)
- Dark Matters Article #6 & Research Project Template
 - Article links - [Google Suite Version](#) - [Offline Version](#)
 - Research Project Template - [Google Suite Version](#) - [Offline Version](#)
 - Bundle of BOTH! - [Google Suite Version](#) - [Offline Version](#)
- Space Exploration Article #7 & Research Project Template
 - Article links - [Google Suite Version](#) - [Offline Version](#)
 - Research Project Template - [Google Suite Version](#) - [Offline Version](#)
 - Bundle of BOTH! - [Google Suite Version](#) - [Offline Version](#)
- The Great Red Spot Article #8 & Research Project Template
 - Article links - [Google Suite Version](#) - [Offline Version](#)
 - Research Project Template - [Google Suite Version](#) - [Offline Version](#)
 - Bundle of BOTH! - [Google Suite Version](#) - [Offline Version](#)
- Black Holes Article #9 & Research Project Template
 - Article links - [Google Suite Version](#) - [Offline Version](#)
 - Research Project Template - [Google Suite Version](#) - [Offline Version](#)
 - Bundle of BOTH! - [Google Suite Version](#) - [Offline Version](#)
- The Space Race #10 & Research Project Template
 - Article links - [Google Suite Version](#) - [Offline Version](#)
 - Research Project Template - [Google Suite Version](#) - [Offline Version](#)
 - Bundle of BOTH! - [Google Suite Version](#) - [Offline Version](#)
- Neutron Stars #66 - [Google Suite Version](#) - [Offline Version](#)

- Protostars #67 - [Google Suite Version](#) - [Offline Version](#)
- Satellites #68 - [Google Suite Version](#) - [Offline Version](#)
- Binary Star Systems #69 - [Google Suite Version](#) - [Offline Version](#)
- Dwarf Planets #70 - [Google Suite Version](#) - [Offline Version](#)
- Redshift & Blueshift #71 - [Google Suite Version](#) - [Offline Version](#)
- The Cosmic Microwave Background #72 - [Google Suite Version](#) - [Offline Version](#)
- Standard Candles #73 - [Google Suite Version](#) - [Offline Version](#)
- Parallax #74 - [Google Suite Version](#) - [Offline Version](#)
- The Drake Equation #75 - [Google Suite Version](#) - [Offline Version](#)

Bundles exist for these items also with significant discounts:

- Astronomy Science Articles #1 - 10 (10 article) Bundle - [Google Suite Version](#) - [Offline Version](#)
- Astronomy Science Articles #66 - 75 (10 article) Bundle - [Google Suite Version](#) - [Offline Version](#)
- Complete 20 Article bundle #1-10 and #66-75 Bundle - [Google Suite Version](#) - [Offline Version](#)
- Solar System 6 Article Bundle - [Google Suite Version](#) - [Offline Version](#)
- Cosmological 6 Article Bundle - [Google Suite Version](#) - [Offline Version](#)
- Stellar (Star) 6 Article Bundle - [Google Suite Version](#) - [Offline Version](#)
- Astro Science Research Project Templates #1-10 Bundle - [Google Suite Version](#) - [Offline Version](#)
- Astro Science Research Project Templates + Articles #1-10 - [Google Suite Version](#) - [Offline Version](#)

Biology

- Animal Adaptations Article #11 - [Google Suite Version](#) - [Offline Version](#)
- Mapping Ecosystems Article #12 - [Google Suite Version](#) - [Offline Version](#)
- The Brain - Neurobiology Article #13 - [Google Suite Version](#) - [Offline Version](#)
- Genetic Engineering Article #14 - [Google Suite Version](#) - [Offline Version](#)
- The Carbon Cycle Article #15 - [Google Suite Version](#) - [Offline Version](#)
- Mitosis & Meiosis Article #16 - [Google Suite Version](#) - [Offline Version](#)
- Enzymes Article #17 - [Google Suite Version](#) - [Offline Version](#)
- Bacteria & Viruses Article #18 - [Google Suite Version](#) - [Offline Version](#)
- The Digestive System Article #19 - [Google Suite Version](#) - [Offline Version](#)
- Taxonomy Article #20 - [Google Suite Version](#) - [Offline Version](#)
- Asexual Reproduction Article #76 - [Google Suite Version](#) - [Offline Version](#)
- Extreme Adaptations Article #77 - [Google Suite Version](#) - [Offline Version](#)
- Cellular Respiration Article #78 - [Google Suite Version](#) - [Offline Version](#)
- DNA & RNA Article #79 - [Google Suite Version](#) - [Offline Version](#)
- Fungi Article #80 - [Google Suite Version](#) - [Offline Version](#)
- Bioluminescence Article #81 - [Google Suite Version](#) - [Offline Version](#)
- Protozoa Article #82 - [Google Suite Version](#) - [Offline Version](#)
- Deep Sea Creatures Article #83 - [Google Suite Version](#) - [Offline Version](#)
- Autoimmune Diseases Article #84 - [Google Suite Version](#) - [Offline Version](#)
- Invertebrates Article #85 - [Google Suite Version](#) - [Offline Version](#)

Bundles exist for these items also with significant discounts:

- Biology Science Articles #11-20 - 10 Article Set - [Google Suite Version](#) - [Offline Version](#)
- Biology Science Articles #76-85 - 10 Article Set - [Google Suite Version](#) - [Offline Version](#)
- Complete 20 Article Bundle #11-20 and #76-85 Bundle - [Google Suite Version](#) - [Offline Version](#)
- Animal Related 9 Article Bundle - [Google Suite Version](#) - [Offline Version](#)
- Genes & Cells 6 Article Bundle - [Google Suite Version](#) - [Offline Version](#)

Chemistry

- The Periodic Table Article #21 - [Google Suite Version](#) - [Offline Version](#)
- Acids & Bases Article #22 - [Google Suite Version](#) - [Offline Version](#)
- Metals Article #23 - [Google Suite Version](#) - [Offline Version](#)
- Alkanes, Alkenes & Alkynes Article #24 - [Google Suite Version](#) - [Offline Version](#)
- States of Matter Article #25 - [Google Suite Version](#) - [Offline Version](#)
- Endo- & Exothermic Reactions Article #26 - [Google Suite Version](#) - [Offline Version](#)
- Bonding Types Article #27 - [Google Suite Version](#) - [Offline Version](#)
- Redox Reactions Article #28 - [Google Suite Version](#) - [Offline Version](#)
- Catalysts Article #29 - [Google Suite Version](#) - [Offline Version](#)
- Fertilizer & Ammonia Article #30 - [Google Suite Version](#) - [Offline Version](#)
- Acid Rain Article #91 - [Google Suite Version](#) - [Offline Version](#)
- Fireworks Article #92 - [Google Suite Version](#) - [Offline Version](#)
- Electrolysis Article #93 - [Google Suite Version](#) - [Offline Version](#)
- Cleaning Chemistry Article #94 - [Google Suite Version](#) - [Offline Version](#)
- Bioplastics and Green Chemistry Article #95 - [Google Suite Version](#) - [Offline Version](#)
- Chemistry of Natural Colors Article #96 - [Google Suite Version](#) - [Offline Version](#)
- Chemical 3D Printing Article #97 - [Google Suite Version](#) - [Offline Version](#)
- Glow in the Dark Chemistry Article #98 - [Google Suite Version](#) - [Offline Version](#)
- Nanotechnology in Chemistry Article #99 - [Google Suite Version](#) - [Offline Version](#)
- Smart Materials and Chemistry Article #100 - [Google Suite Version](#) - [Offline Version](#)

Bundles exist for these items also with significant discounts:

- Chemistry Science Articles #21-30 - 10 Article Set - [Google Suite Version](#) - [Offline Version](#)
- Chemistry Science Articles #91-100 - 10 Article Set - [Google Suite Version](#) - [Offline Version](#)
- Complete 20 Article bundle #21-30 and #91-100 Bundle - [Google Suite Version](#) - [Offline Version](#)
- Foundational Chemistry bundle - 7 article set - [Google Suite Version](#) - [Offline Version](#)
- Sustainability & Environment bundle - 6 article set - [Google Suite Version](#) - [Offline Version](#)
- Advanced Chemistry bundle - 6 article set - [Google Suite Version](#) - [Offline Version](#)

Physics

- Rollercoaster Physics Article #31 - [Google Suite Version](#) - [Offline Version](#)
- Magnets & Mag-lev Trains Article #32 - [Google Suite Version](#) - [Offline Version](#)
- Heat, Hot & Cold Article #33 - [Google Suite Version](#) - [Offline Version](#)
- The Electromagnetic Spectrum Article #34 - [Google Suite Version](#) - [Offline Version](#)
- Radioactive Dating Article #35 - [Google Suite Version](#) - [Offline Version](#)
- Simple Circuits Article #36 - [Google Suite Version](#) - [Offline Version](#)
- Making Electricity Article #37 - [Google Suite Version](#) - [Offline Version](#)
- Weight & Gravity Article #38 - [Google Suite Version](#) - [Offline Version](#)
- Projectile Motion Article #39 - [Google Suite Version](#) - [Offline Version](#)
- Static Electricity Article #40 - [Google Suite Version](#) - [Offline Version](#)
- The Doppler Effect Article #101 - [Google Suite Version](#) - [Offline Version](#)
- Sound Article #102 - [Google Suite Version](#) - [Offline Version](#)
- Rockets Article #103 - [Google Suite Version](#) - [Offline Version](#)
- Physics of Water Article #104 - [Google Suite Version](#) - [Offline Version](#)
- Ionizing Radiation Article #105 - [Google Suite Version](#) - [Offline Version](#)
- Electricity Generation and Transmission Article #106 - [Google Suite Version](#) - [Offline Version](#)
- GPS Physics Article #107 - [Google Suite Version](#) - [Offline Version](#)

- Quantum Mechanics Article #108 - [Google Suite Version](#) - [Offline Version](#)
- Momentum Article #109 - [Google Suite Version](#) - [Offline Version](#)
- Reflection and Refraction Article #110 - [Google Suite Version](#) - [Offline Version](#)

Bundles exist for these items also with significant discounts:

- Physics Science Articles #31-40 - 10 Article Set - [Google Suite Version](#) - [Offline Version](#)
- Physics Science Articles #101-110 - 10 Article Set - [Google Suite Version](#) - [Offline Version](#)
- Complete 20 Article bundle #31-40 and #101-110 Bundle - [Google Suite Version](#) - [Offline Version](#)
- Foundational Physics bundle - 7 article set - [Google Suite Version](#) - [Offline Version](#)
- Electrical Physics bundle - 4 article set - [Google Suite Version](#) - [Offline Version](#)
- Motion & Forces bundle - 6 article set - [Google Suite Version](#) - [Offline Version](#)
- Technological Physics bundle - 8 article set - [Google Suite Version](#) - [Offline Version](#)
- Light, Sound & Thermal bundle - 5 article set - [Google Suite Version](#) - [Offline Version](#)

Earth Science

- Tectonic Plates Article #41 - [Google Suite Version](#) - [Offline Version](#)
- The Atmosphere Article #42 - [Google Suite Version](#) - [Offline Version](#)
- Earth History Article #43 - [Google Suite Version](#) - [Offline Version](#)
- Waves & Tides Article #44 - [Google Suite Version](#) - [Offline Version](#)
- Tornadoes & Hurricanes Article #45 - [Google Suite Version](#) - [Offline Version](#)
- Rain, Fog & Clouds Article #46 - [Google Suite Version](#) - [Offline Version](#)
- Erosion & Deposition Article #47 - [Google Suite Version](#) - [Offline Version](#)
- Mining & Ore Article #48 - [Google Suite Version](#) - [Offline Version](#)
- Crystals Article #49 - [Google Suite Version](#) - [Offline Version](#)
- Volcanoes Article #50 - [Google Suite Version](#) - [Offline Version](#)
- Animal Terraforming Article #111 - [Google Suite Version](#) - [Offline Version](#)
- The Coldest Desert Article #112 - [Google Suite Version](#) - [Offline Version](#)
- Growing Deserts Article #113 - [Google Suite Version](#) - [Offline Version](#)
- Stalactites and Stalagmites Article #114 - [Google Suite Version](#) - [Offline Version](#)
- Dinosaur Fossils Article #115 - [Google Suite Version](#) - [Offline Version](#)
- Hydrogeology Article #116 - [Google Suite Version](#) - [Offline Version](#)
- Earth's Core Article #117 - [Google Suite Version](#) - [Offline Version](#)
- Soil Formation Article #118 - [Google Suite Version](#) - [Offline Version](#)
- Earth's Magnetic Field Article #119 - [Google Suite Version](#) - [Offline Version](#)
- Ocean Garbage Patches Article #120 - [Google Suite Version](#) - [Offline Version](#)

Bundles exist for these items also with significant discounts:

- Earth Science Articles #41-50 | 10 Article set - [Google Suite Version](#) - [Offline Version](#)
- Earth Science Articles #111-120 | 10 Article set - [Google Suite Version](#) - [Offline Version](#)
- Complete 20 Article Bundle #41-50 and #111-120 Bundle - [Google Suite Version](#) - [Offline Version](#)
- Rock & Earth Bundle - 10 Article Set - [Google Suite Version](#) - [Offline Version](#)
- Weather & Environment Bundle - 7 Article Set - [Google Suite Version](#) - [Offline Version](#)
- Global Processes Bundle - 13 Article Set - [Google Suite Version](#) - [Offline Version](#)

Medicine / Health

- Pacemakers Article #51 - [Google Suite Version](#) - [Offline Version](#)
- Insulin & Diabetes Article #52 - [Google Suite Version](#) - [Offline Version](#)
- Scurvy & Pirates Article #53 - [Google Suite Version](#) - [Offline Version](#)
- Aspirin Article #54 - [Google Suite Version](#) - [Offline Version](#)
- Vaping Article #55 - [Google Suite Version](#) - [Offline Version](#)
- Mouth & Teeth Article #56 - [Google Suite Version](#) - [Offline Version](#)
- IV Fluids Article #57 - [Google Suite Version](#) - [Offline Version](#)
- Asthma Article #58 - [Google Suite Version](#) - [Offline Version](#)
- Allergies Article #59 - [Google Suite Version](#) - [Offline Version](#)
- Organ Transplants #60 - [Google Suite Version](#) - [Offline Version](#)
- Resuscitation Article #121 - [Google Suite Version](#) - [Offline Version](#)
- General Anaesthesia Article #122 - [Google Suite Version](#) - [Offline Version](#)
- Vaccinations Article #123 - [Google Suite Version](#) - [Offline Version](#)
- Blood Types Article #124 - [Google Suite Version](#) - [Offline Version](#)
- Sugar Article Article #125 - [Google Suite Version](#) - [Offline Version](#)
- Blood Pressure Article #126 - [Google Suite Version](#) - [Offline Version](#)
- Alcohol Article #127 - [Google Suite Version](#) - [Offline Version](#)
- The Immune System Article #128 - [Google Suite Version](#) - [Offline Version](#)
- Blood Article #129 - [Google Suite Version](#) - [Offline Version](#)
- Hydration Article #130 - [Google Suite Version](#) - [Offline Version](#)

Bundles exist for these items also with significant discounts:

- Medicine / Health Articles #51-60 | 10 Article set - [Google Suite Version](#) - [Offline Version](#)
- Medicine / Health Articles #121-130 | 10 Article set - [Google Suite Version](#) - [Offline Version](#)
- Complete 20 Article Bundle #51-60 and #121-130 Bundle - [Google Suite Version](#) - [Offline Version](#)
- Disease Related Bundle - 6 Article Set - [Google Suite Version](#) - [Offline Version](#)
- Medical / Surgical Bundle - 7 Article Set - [Google Suite Version](#) - [Offline Version](#)
- Personal Health Bundle - 8 Article Set - [Google Suite Version](#) - [Offline Version](#)
- Blood & Sugar Bundle - 5 Article Set - [Google Suite Version](#) - [Offline Version](#)

Holidays / Seasonal

- Science of Giftwrapping Article #61 - [Google Suite Version](#) - [Offline Version](#)
- Snowflake Science Article #62 - [Google Suite Version](#) - [Offline Version](#)
- Cookie Chemistry Article #63 - [Google Suite Version](#) - [Offline Version](#)
- Christmas Tree Science Article #64 - [Google Suite Version](#) - [Offline Version](#)
- Baubles Science Article #65 - [Google Suite Version](#) - [Offline Version](#)
- The Science of Love Article #86 - [Google Suite Version](#) - [Offline Version](#)
- Chocolate Science Article #87 - [Google Suite Version](#) - [Offline Version](#)
- Spring Science Article #88 - [Google Suite Version](#) - [Offline Version](#)
- Autumn Science Article #89 - [Google Suite Version](#) - [Offline Version](#)
- Candy Science Article #90 - [Google Suite Version](#) - [Offline Version](#)

Bundles exist for these items also with significant discounts:

- Christmas Science Articles #61-65 | 5 Article set - [Google Suite Version](#) - [Offline Version](#)

Unbelievable bundles exist for these items also with significant discounts:

- Classic Science 60 Article Bundle | Middle/High School - [Google Suite Version](#) - [Offline Version](#)
- The Unusual Sciences 60 Article Bundle | Middle/High School - [Google Suite Version](#) - [Offline Version](#)
- Ultimate 130 Science Article Bundle | Middle/High School - [Google Suite Version](#) - [Offline Version](#)

Mathematics in Real Life series

Subject based items:

- Trigonometry - Maths in Real Life - Article #1 - [Google Suite Version](#) - [Offline Version](#)
- Algebra - Maths in Real Life - Article #2 - [Google Suite Version](#) - [Offline Version](#)
- Statistics - Maths in Real Life - Article #3 - [Google Suite Version](#) - [Offline Version](#)
- Probability - Maths in Real Life - Article #4 - [Google Suite Version](#) - [Offline Version](#)
- Geometry - Maths in Real Life - Article #5 - [Google Suite Version](#) - [Offline Version](#)
- Fractions - Maths in Real Life - Article #6 - [Google Suite Version](#) - [Offline Version](#)
- Functions - Maths in Real Life - Article #7 - [Google Suite Version](#) - [Offline Version](#)
- Order of Operations - Maths in Real Life - Article #8 - [Google Suite Version](#) - [Offline Version](#)
- Decimals - Maths in Real Life - Article #9 - [Google Suite Version](#) - [Offline Version](#)
- Calculus - Maths in Real Life - Article #10 - [Google Suite Version](#) - [Offline Version](#)

Career based items:

- Mechanic Maths - Maths in Real Life - Article #11 - [Google Suite Version](#) - [Offline Version](#)
- Bus Driver Maths - Maths in Real Life - Article #12 - [Google Suite Version](#) - [Offline Version](#)
- Journalism Maths - Maths in Real Life - Article #13 - [Google Suite Version](#) - [Offline Version](#)
- Acting Maths - Maths in Real Life - Article #14 - [Google Suite Version](#) - [Offline Version](#)
- Artistic Maths - Maths in Real Life - Article #15 - [Google Suite Version](#) - [Offline Version](#)
- Landscaper Maths - Maths in Real Life - Article #16 - [Google Suite Version](#) - [Offline Version](#)
- Entrepreneur Maths - Maths in Real Life - Article #17 - [Google Suite Version](#) - [Offline Version](#)
- Farmer Maths - Maths in Real Life - Article #18 - [Google Suite Version](#) - [Offline Version](#)
- Baker Maths - Maths in Real Life - Article #19 - [Google Suite Version](#) - [Offline Version](#)
- Doctor Maths - Maths in Real Life - Article #20 - [Google Suite Version](#) - [Offline Version](#)

Bundles exist for these items also with significant discounts:

- Maths in Real Life Articles #1-10 Set | Topic Bundle - [Google Suite Version](#) - [Offline Version](#)
- Maths in Real Life Articles #11 - 20 Set | Career Bundle - [Google Suite Version](#) - [Offline Version](#)
- Maths in Real Life Articles #1 - 20 Set | Complete Bundle - [Google Suite Version](#) - [Offline Version](#)

How Is It Made series

- Hot Dogs | How is it made? #1 - [Google Suite Version](#) - [Offline Version](#)
- Glass | How is it made? #2 - [Google Suite Version](#) - [Offline Version](#)
- Charcoal | How is it made? #3 - [Google Suite Version](#) - [Offline Version](#)
- Bubblegum | How is it made? #4 - [Google Suite Version](#) - [Offline Version](#)
- Cement | How is it made? #5 - [Google Suite Version](#) - [Offline Version](#)
- Aluminum Cans | How is it made? #6 - [Google Suite Version](#) - [Offline Version](#)
- Chocolate | How is it made? #7 - [Google Suite Version](#) - [Offline Version](#)

- Almond Milk | How is it made? #8 - [Google Suite Version](#) - [Offline Version](#)
- Diapers | How is it made? #9 - [Google Suite Version](#) - [Offline Version](#)
- White Sugar | How is it made? #10 - [Google Suite Version](#) - [Offline Version](#)

Bundles exist for these items also with significant discounts:

- How is it made? #1-10 - 10 article bundle - [Google Suite Version](#) - [Offline Version](#)
- How is it made? | Food Related | 5 Article Bundle - [Google Suite Version](#) - [Offline Version](#)
- How is it made? | Materials Related | 5 Article Bundle - [Google Suite Version](#) - [Offline Version](#)

International Baccalaureate (IB) Middle Years Programme (MYP) series

- IDU - Electricity / lightning - IB MYP STEM unit plan - [link here](#)
- IB MYP Artificial limb unit - MYP Mathematics STEM unit planner - [link here](#)
- IB MYP NGSS unit planner - Chemical change and energy - [link here](#)
- IB MYP NGSS Unit plan - Zero impact (sustainable housing) - [link here](#)
- Hertzprung Russel Diagram presentation IB MYP Physics - [link here](#)
- MYP IGCSE atom and isotope digital exploration - [link here](#)
- MYP / IGCSE Refraction and Reflection digital exploration - [link here](#)
- IB MYP STEM unit planner - Nanotechnology - [link here](#)
- MYP STEM by concept and criteria / 90 STEM topics - [link here](#)
- IB MYP - Nature of Science - introductory unit plan - [link here](#)
- IB MYP Unit Planner - Food and Energy - MYP 2 & 3 - [link here](#)
- IB MYP Unit Planner - Growth - MYP 2 & 3 - [link here](#)
- IB MYP Unit Planner - Building Blocks of Life - MYP 1 & 2 - [link here](#)
- Mathematical vision - MYP unit plan (highly detailed) - [link here](#)
- The Art of Mathematics - MYP unit plan (highly detailed) - [link here](#)
- The Problem with Money - MYP unit plan (highly detailed) - [link here](#)
- Unlikely Life - MYP unit plan (highly detailed) - [link here](#)
- Planet Unknown - MYP unit plan (highly detailed) - [link here](#)
- Characteristics of life and body systems - MYP unit plan (highly detailed) - [link here](#)
- What matters is... - MYP unit plan (highly detailed) - [link here](#)
- The Power of Magnets - MYP unit plan (highly detailed) - [link here](#)
- Mathematical vision - MYP unit bundle - [link here](#)
- The Art of Mathematics - MYP unit bundle - [link here](#)
- The Problem with Money - MYP unit bundle - [link here](#)
- Unlikely Life - MYP unit bundle - [link here](#)
- Characteristics of life and body systems - MYP unit bundle - [link here](#)
- The Power of Magnets - MYP unit bundle - [link here](#)
- Planet Unknown - MYP unit bundle - [link here](#)

Bundles exist for these items also with significant discounts:

- IB MYP Unit planner set (8 units) STEM Education - [link here](#)
- IB MYP Mega bundle - STEM related resources - [link here](#)
- 4 MYP 2 Mathematics Detailed Unit Planners - [link here](#)
- 4 MYP 2 Science Detailed Unit Planners - [link here](#)
- 4 MYP 2 Mathematics Detailed Unit Bundles - [link here](#)
- MYP Unit Planner - Ultimate Set - [link here](#)

International Baccalaureate (IB) Diploma Programme (DP) series

- IB DP Physics - Projectile motion online lab exploration - Topic 2.1 - [link here](#)
- IB DP Physics - Topic 3 - Gas / thermal energy - exploration laboratory script - [link here](#)
- IB DP Physics - Topic 4 - Waves - An exploration script on waves - [link here](#)
- IB DP Physics - topics 2, 3 and 4 - exploration simulation lab scripts - [link here](#)
- IB DP Physics - The Why game - based on Topics 1, 2, 3 and 6 - [link here](#)
- IB DP Physics - topic 2 - Hookes Law exploration lab script - [link here](#)
- IB DP Physics Definition Bingo - Revision tool (2016 syllabus) - [link here](#)
- IB DP Physics - Unit 1 - Measurements and uncertainties (2016 syllabus) - [link here](#)
- IB DP Physics - Unit 2 - Mechanics (2016 syllabus) - [link here](#)
- IB DP Physics - Unit 3 - Thermal Physics (2016 syllabus) - [link here](#)
- IB DP Physics - Unit 4 - Waves (2016 syllabus) - [link here](#)
- IB DP Physics - Unit 5 - Electricity and Magnetism (2016 syllabus) - [link here](#)
- IB DP Physics - Unit 6 - Circular motion and Gravitation (2016 syllabus) - [link here](#)
- IB DP Physics - Unit 7 - Atomic, Nuclear and Particle Physics (2016 syllabus) - [link here](#)
- IB DP Physics - Unit 8 - Energy Production (2016 syllabus) - [link here](#)

Bundles exist for these items also with significant discounts:

- IB DP Physics SL - SUPER SET (2016 syllabus) - [link here](#)

Middle Years Science Resources

- Grade 6/7/8 Light and Magnetism project - assessment menu / rubric both included - [link here](#)
- Grade 7/8/9 Electricity project - assessment menu / rubric both included - [link here](#)
- IGCSE Physics Electricity practice multiple choice questions - [link here](#)
- Electricity / Light and Magnetism projects - [link here](#)
- IGCSE Physics Formulas and Units quiz - [link here](#)
- Key Stage 3 Biology - UK syllabus aligned 238 original questions - [link here](#)
- Key Stage 3 Chemistry- UK syllabus aligned 202 original questions - [link here](#)
- Key Stage 3 Physics - UK syllabus aligned 335 original questions - [link here](#)

Bundles exist for these items also with significant discounts:

- 777 Biology / Chemistry / Physics KS3 Science Questions UK syllabus aligned - [link here](#)

Home School Lesson Plans

- Small group online home school lesson plans | 13 science lesson plans | Holistic - [link here](#)
- Small group online home school lesson plans | 15 mathematics lessons | Holistic - [link here](#)

Bundles exist for these items also with significant discounts:

- Small group online home school 28 science / mathematics lesson plans | Holistic - [link here](#)

NGSS Aligned Lesson Starter Questions

- 125 Biology Lesson Starter Questions | NGSS Middle School Life Science - [link here](#)
- 125 Earth & Space Science Lesson Starter Questions | NGSS Middle School - [link here](#)
- 125 Physical Science Lesson Starter Questions | NGSS Middle School Level - [link here](#)
- 50 Engineering Design Lesson Starter Questions | NGSS Middle School Level - [link here](#)
- 125 Physical Science Lesson Starter Questions | NGSS High School Level - [link here](#)
- 125 Life Sciences Lesson Starter Questions | NGSS High School Level - [link here](#)
- 125 Earth and Space Sciences Lesson Starter Questions | NGSS High School Level - [link here](#)
- 50 Engineering Design Lesson Starter Questions | NGSS High School Level - [link here](#)
- 125 Biology Lesson Starter Questions | NGSS MS Life Science Offline Version - [link here](#)
- 125 Earth & Space Science Lesson Starter Questions | NGSS MS Offline Version - [link here](#)
- 125 Physical Science Lesson Starter Questions | NGSS MS Level Offline Version - [link here](#)
- 50 Engineering Design Lesson Starter Questions | NGSS MS Level Offline Version - [link here](#)
- 125 Physical Science Lesson Starter Questions | NGSS HS Level Offline Version - [link here](#)
- 125 Life Sciences Lesson Starter Questions | NGSS HS Level Offline Version - [link here](#)
- 125 Earth and Space Sciences Lesson Starter Questions | NGSS HS Offline Version - [link here](#)
- 50 Engineering Design Lesson Starter Questions | NGSS HS Level Offline Version - [link here](#)

Bundles exist for these items also with significant discounts:

- Science Lesson Starter Questions Bundle | NGSS Middle School Level - [link here](#)
- Science Lesson Starter Questions Bundle | NGSS High School Level - [link here](#)
- Science Lesson Starter Questions Bundle | NGSS Middle and High School Level - [link here](#)
- Science Lesson Starter Questions Bundle | NGSS MS Level Offline Version - [link here](#)
- Science Lesson Starter Questions Bundle | NGSS High School Level Offline Version - [link here](#)
- Science Lesson Starter Questions Bundle | NGSS MS & HS Level Offline Versions - [link here](#)

For Grades K / 1 / 2 / 3

Mathematics Menus For Younger Students

- Addition Math Menu Grade 2 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Data / Graphs Math Menu Grade 2 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Equal Groups Math Menu Grade 2 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Geometry Math Menu Grade 2 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Measurement Math Menu Grade 2 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Money Math Menu Grade 2 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Place Value Math Menu Grade 2 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Subtraction Math Menu Grade 2 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Telling Time Math Menu Grade 2 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Add/Subtract Math Menu Grade 3 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Data/Graphs Math Menu Grade 3 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Geometry Math Menu Grade 3 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Fractions Math Menu Grade 3 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Multiplication Math Menu Grade 3 Enrichment | Choice menu | Printable & Digital - [link here](#)
- Division Math Menu Grade 3 Enrichment | Choice menu | Printable & Digital - [link here](#)
- Area / Perimeter Math Menu Grade 3 Enrichment Choice menu | Printable & Digital - [link here](#)
- Measurement Math Menu Grade 3 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Place Value Math Menu Grade 3 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Rounding Math Menu Grade 3 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Telling time Math Menu Grade 3 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Addition Math Menu Grade 1 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Subtraction Math Menu Grade 1 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Counting Math Menu Grade 1 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Data Math Menu Grade 1 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Geometry Math Menu Grade 1 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Measurement Math Menu Grade 1 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Place Value Math Menu Grade 1 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Time Math Menu Grade 1 | Enrichment | Choice menu | Printable & Digital - [link here](#)

Bundles exist for these items also with significant discounts:

- Math Menus Grade 1 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Math Menus Grade 2 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Math Menus Grade 3 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Math Menus Grade 1 / 2 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Math Menus Grade 2/3 | Enrichment | Choice menu | Printable & Digital - [link here](#)
- Math Menus Grade 1/2/3 | Enrichment | Choice menu | Printable & Digital - [link here](#)

Resources For Younger Students

- Addition and Subtraction Flashcards Fluency [Print ready] | Printable - [link here](#)
- 1188 Digital Addition and Subtraction Flashcards for Fluency - [link here](#)
- 1188 DINOSAUR Digital Addition and Subtraction Flashcards for Fluency - [link here](#)
- 1144 Digital Multiplication and Division flashcards up to 50 - [link here](#)
- 1188 Digital Addition and Subtraction Flashcards for Fluency (PPTs) - [link here](#)
- 1188 DINOSAUR Digital Addition and Subtraction Flashcards for Fluency (PPTs) - [link here](#)

Common Core Aligned Problems

- 353 Common Core State Standards aligned word problems Grade K - 27 worksheets - [link here](#)
- 620 Common Core State Standards (CCSS) word problems Grade 1 - 31 worksheets - [link here](#)
- 1300 Common Core State Standards (CCSS) word problems Grade 2 - 65 worksheets - [link here](#)

Bundles exist for these items also with significant discounts:

- 2273 Common Core State Standards (CCSS) problems Grade K/1/2 - 123 worksheets - [link here](#)

For All Ages

Funny Resources

- Mathematics Joke a day | Joke a week | 119 Mathematics jokes class | Printable - [link here](#)
- Chemistry Joke a day | Joke a week | 44 hilarious chemistry jokes | Printable - [link here](#)
- Pi-day jokes 3/14 - 16 pi-jokes for March 14th laughs | Printable - [link here](#)
- Physics Joke a day | Joke a week | 39 hilarious physics jokes | Printable - [link here](#)
- Astronomy Joke a day | Astronomy joke a week | 32 hilarious jokes | Printable - [link here](#)
- Biology Joke a day | Biology Joke a week | 39 hilarious bio jokes | Printable - [link here](#)
- Geography Joke a day | Geography Joke a week | 44 hilarious jokes | Printable - [link here](#)
- Art Joke a day | Art Joke a week | 40 hilarious art jokes | Printable - [link here](#)
- History Joke a day | History Joke a week | 40 hilarious jokes | Printable - [link here](#)
- Technology Joke a day | Technology Joke a week | 34 hilarious jokes | Printable - [link here](#)
- Music Joke a day | Music Joke a week | 46 hilarious jokes | Printable - [link here](#)
- Phys. Ed. Joke a day | Joke a week | 40 hilarious phys. ed. jokes | Printable - [link here](#)
- Technology Joke a day | 34 hilarious chemistry jokes | Printable Offline version - [link here](#)
- Chemistry Joke a day | 44 hilarious chemistry jokes | Printable Offline version - [link here](#)
- Pi-day jokes 3/14 - 16 pi-jokes for March 14th laughs Printable Offline version - [link here](#)
- Physics Joke a day | 39 hilarious physics jokes | Printable Offline Version - [link here](#)
- Astronomy Joke a day | 32 hilarious jokes | Printable Offline Version - [link here](#)
- Biology Joke a day | 39 hilarious bio jokes | Printable Offline Version - [link here](#)
- Geography Joke a day | 44 hilarious jokes | Printable Offline Version - [link here](#)
- Art Joke a day | 40 hilarious art jokes | Printable Offline Version - [link here](#)
- History Joke a day | 40 hilarious jokes | Printable Offline Version - [link here](#)
- Mathematics Joke a day | 119 Mathematics jokes class | Printable Offline Version - [link here](#)
- Music Joke a week | 46 hilarious jokes | Printable Offline Version - [link here](#)

- Physical Education Joke a day | 40 hilarious jokes | Printable Offline Version - [link here](#)

Bundles exist for these items also with significant discounts:

- Science Joke a day | Science Joke a week | 198 hilarious jokes | Printable - [link here](#)
- 391 STEAM jokes | STEAM joke a day bundle | STEAM joke a week bundle | Printable - [link here](#)
- 351 STEM jokes | STEM joke a day bundle | STEM joke a week bundle | Printable - [link here](#)
- 532 Joke a day | Joke a week | 532 hilarious jokes | Printable - [link here](#)
- Science Joke a day | 198 hilarious jokes | Printable Offline Version - [link here](#)
- 391 STEAM jokes | STEAM joke a week bundle | Printable Offline Version - [link here](#)
- 351 STEM jokes bundle | STEM joke a week bundle | Printable Offline Version - [link here](#)
- 532 Joke a day | Joke a week | 532 hilarious jokes | Printable Offline Version - [link here](#)

Level-up learning frameworks

- Algebra Level-up Learning Framework | 24 levels | self-paced work plan - [link here](#)
- Functions and Graphs Learning Framework | 41 levels | self-paced work plan - [link here](#)

Bundles exist for these items also with significant discounts:

- Algebra | Functions & Graphs Learning Frameworks | 65 levels - [link here](#)

E-books

- The Pocket Guide to the Universe: Part 1 - [link here](#)
- The Pocket Guide to the Universe: Part 2 - [link here](#)
- The Pocket Guide to the Universe: Part 3 - [link here](#)
- The pocket guide to the universe complete ebook - parts 1, 2 and 3 - [link here](#)

Video Companions

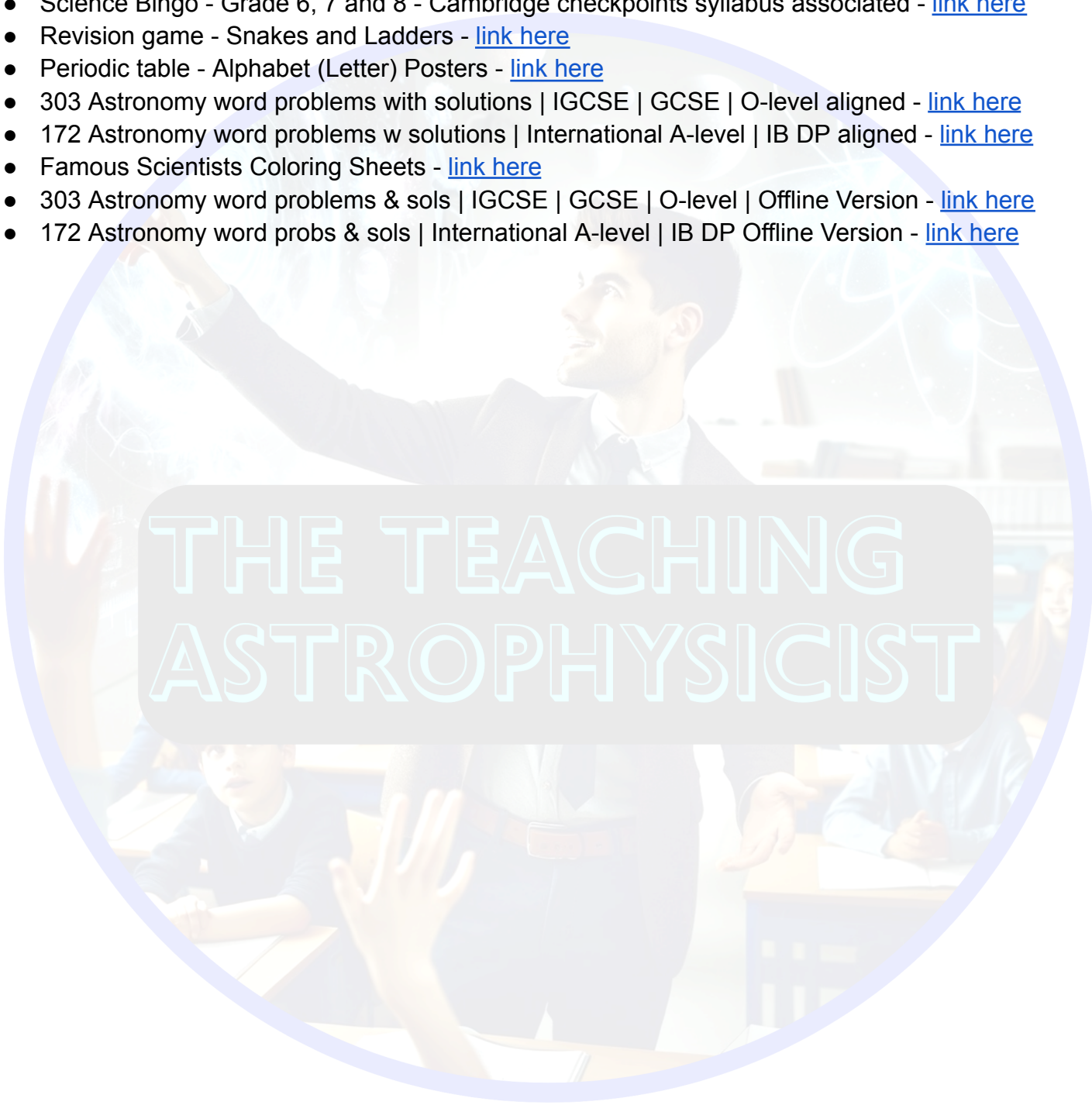
- Veritasium Video companions - Non-Astronomy related - [link here](#)
- Veritasium Video companions - Astronomy related - [link here](#)
- Minute physics Video companions - [link here](#)
- Veritasium / Minutephysics video companions - [link here](#)
- Veritasium Video companions - [link here](#)
- Crash Course Astronomy Video Companions | 46 video question companions - [link here](#)

Bundles exist for these items also with significant discounts:

- Middle School Astro Bundle | NGSS aligned and video companions - [link here](#)

Miscellaneous

- Plants unit for grade 6/7/8 - full presentation for entire unit - [link here](#)
- Dynamic Seating plan - [link here](#)
- Science Bingo - Grade 6, 7 and 8 - Cambridge checkpoints syllabus associated - [link here](#)
- Revision game - Snakes and Ladders - [link here](#)
- Periodic table - Alphabet (Letter) Posters - [link here](#)
- 303 Astronomy word problems with solutions | IGCSE | GCSE | O-level aligned - [link here](#)
- 172 Astronomy word problems w solutions | International A-level | IB DP aligned - [link here](#)
- Famous Scientists Coloring Sheets - [link here](#)
- 303 Astronomy word problems & sols | IGCSE | GCSE | O-level | Offline Version - [link here](#)
- 172 Astronomy word probs & sols | International A-level | IB DP Offline Version - [link here](#)



THE TEACHING
ASTROPHYSICIST