

Kits/Models Correlated [Grades 1-12 Alberta Science Curriculum](#)

Grade	Unit A	Unit B	Unit C	Unit D	Unit E
Grade 1	Creating Colour • Light & Shadows • Kaleidoscope Kit	Seasonal Changes	Building Things • Building Things Grade 1	Senses • Senses • Building Things Grade 1 • Hearing & Sound • Screaming Chickens	Needs of Plants and Animals • Plants • Germination Model • Insects & Creepy Crawlies
Grade 2	Exploring Liquids • Flubber Kit • Exploring Liquids	Buoyancy and Boats • Boats & Buoyancy	Magnetism • Magnetism	Hot and Cold Temperatures	Small Crawling and Flying Animals • Insects & Creepy Crawlies
Grade 3	Rocks and Minerals • Rocks & Minerals	Building with a Variety of Materials • Building Things: Levers & Gears • Gears Wacky Factory	Testing Materials and Designs • Building Things: Levers & Gears • Gears Wacky Factory	Hearing and Sound • Hearing & Sound • Screaming Chickens	Animal Life Cycles • Incubator • Insects & Creepy Crawlies
Grade 4	Waste and Our World • Conserving Our Environment	Wheels and Levers • Building Things: Levers & Gears • Gears Wacky Factory • Simple Machines	Building Devices and Vehicles that Move • Building Things: Levers & Gears • Gears Wacky Factory	Light and Shadows • Light & Shadows • Kaleidoscope Kit	Plant Growth and Changes • Plants • Germination Model
Grade 5	Electricity and Magnetism • Magnetism • Electricity	Mechanisms Using Electricity • Electricity	Classroom Chemistry • Flubber Kit	Weather Watch • Weather	Wetland Ecosystems • Wetlands
Grade 6	Air and Aerodynamics • Air & Aerodynamics	Flight • Air & Aerodynamics • Gyro Kit	Sky Science • Sky Science • Gyro Kit & Geocaching Kit • Telescope	Evidence and Investigation • Evidence & Investigation	Trees and Forest • Trees & Forest
Grade 7	Interactions and Ecosystems • Wetlands	Plants for Food and Fibre • Plants • Germination Model	Heat and Temperature • Flubber Kit	Structure and Forces	Planet Earth • Rocks & Minerals
Grade 8	Mix and Flow of Matter • Van de Graaff generator	Cells and Systems • Animal & Plant Cell Models • DNA Model • Human Torso & Fetal Pigs Models • Incubator	Light and Optical Systems • Light & Shadows	Mechanical Systems • Simple Machines	Freshwater and Saltwater Systems • Wetlands
Grade 9	Biological Diversity • DNA Model	Matter and Chemical Change • Flubber Kit	Environmental Chemistry	Electrical Principles and Technologies • Electricity Grade 9	Space Exploration • Sky Science • Gyro Kit & Geocaching Kit • Telescope
Science 14	Investigating Properties of Matter • Van de Graaff generator	Understanding Energy Transfer Technologies • Power House Model • Solar Oven Kit & Wind Kit • Van de Graaff generator • Conserving Our Environment	Investigating Matter and Energy in Living Systems • Animal Cell Model • Human Torso Model • Plant Cell Model	Investigating Matter and Energy in the Environment • Power House Model • Solar Oven Kit & Wind Kit • Conserving Our Environment	<p style="text-align: center;">Other:</p> <p>Seasonal:</p> <p><input type="checkbox"/> Autumn/Thanksgiving</p> <p><input type="checkbox"/> Halloween</p> <p><input type="checkbox"/> Winter/Christmas</p> <p><input type="checkbox"/> Spring/Easter</p> <p>Activities:</p> <p><input type="checkbox"/> Bubbles</p> <p><input type="checkbox"/> Screaming Chickens</p> <p><input type="checkbox"/> Secret Message</p> <p><input type="checkbox"/> Tied in Knots kit</p> <p>Equipment:</p> <p><input type="checkbox"/> Telescope</p> <p><input type="checkbox"/> Van de Graaff generator</p> <p><input type="checkbox"/> Incubator</p>
Science 24	Applications of Matter and Chemical Change • Flubber Kit	Understanding Common Energy Conversion Systems • Power House Model • Conserving Our Environment • Solar Oven & Wind Kits	Disease Defence and Human Health • Animal Cell Model • Human Torso	Motion, Change and Transportation Safety • Gyro Kit	
Science 10	Energy and Matter in Chemical Change • Flubber Kit	Energy Flow in Technological Systems • Power House Model • Solar Oven & Wind Kits	Flow of Matter in Living Systems • Animal Cell Model • Human Torso • Plant Cell Model	Energy Flow in Global Systems • Power House Model • Solar Oven Kit & Wind Kit • Conserving Our Environment	
Science 20	Chemical Changes • Flubber Kit	Changes in Motion • Gyro Kit	The Changing Earth	Changes in Living Systems • Gyro Kit	
Science 30	Living Systems Respond to their Environment • Gyro Kit DNA Model	Chemistry and the Environment	Electromagnetic Energy	Energy and the Environment • Power House Model • Solar Oven Kit & Wind Kit	
Science 10-4	Investigating Properties of Matter • Flubber Kit	Understanding Energy Transfer Technologies • Power House Model • Conserving Our Environment • Solar Oven & Wind Kits	Investigation Matter & Energy in Living Systems • Animal Cell Model • Human Torso Model • Plant Cell Model	Investigating Matter & Energy in Environmental Systems	
Science 20-4	Applications of Matter & Chemical Change • Flubber Kit	Understanding Common Energy Conversion Systems • Power House Model • Conserving Our Environment • Solar Oven & Wind Kits	Disease Defence of Human Health • Animal Cell Model • Human Torso Model	Motion, Change & Transportation Safety • Gyro Kit	
Biology 20	Energy and Matter Exchange in the Biosphere • Bubble Kit	Ecosystems & Population Change	Photosynthesis & Cellular Respiration • Animal & Plant Cell Models	Human Systems • Animal Cell Model • Human Torso Model • Fetal Pig Model	
Biology 30	Nervous & Endocrine Systems • Gyro Kit • Human Torso	Reproduction and Development • Animal Cell Model • Human Torso Model • Incubator	Cells, Genetics & Molecular Biology • Animal & Plant Cell Models • DNA Model	Population and Community Dynamics	
Chemistry 20	Diversity of Matter & Chemical Bonding • Flubber Kit	Forms of Matter: Gases	Matter as Solutions, Acids, and Bases	Quantitative Relationships in Chemical Changes	
Chemistry 30	Thermochemical Changes • Flubber Kit	Electrochemical Changes	Chemical Changes of Organic Compounds	Chemical Equilibrium Focusing on Acids - Bases Systems	
Physics 20	Kinematics	Dynamics	Circular Motion, Work & Energy • Gyro Kit	Oscillatory Motion and Mechanical Waves	
Physics 30	Momentum & Impulse	Forces and Fields	Electromagnetic Radiation	Atomic Physics	

Check the [Praxis Services](#) website often for new and edit kits. Book your [kit requests](#), [guest speakers](#) and [field trip](#) requests on-line.



Important Dates

- **August 28:** First Day of School for Teachers
- **August 29:** First Day of School for Students of SD76, Prairie Rose & MHCBE.
- **September 3:** Labour Day
- **October 8:** Thanksgiving
- **October 12-21:** National Science and Technology Week
- **October 13:** Family Science Olympics at MHHS
- **November 11:** Remembrance Day (No school **Nov 9**)
- **Nov 15-17 :** ATA Science Conference, Banff, AB
- **December 22–January 6:** Christmas Break
- **February 18:** Family Day Holiday
- **February 21 & 22:** South Eastern Alberta Teacher's Convention
- **March 15:** 21st Annual Operation Minerva Conference for grade 9 girls
- **March 23:** Kiwanis South East Alberta Regional Science Fair
- **March 29–April 7:** Easter Break
- **April 19:** Operation Thoth Conference for grade 9 boys
- **May 20:** Victoria Day
- **June 27:** Last Day of Classes

The Praxis Society: The Science and Technology Hotline

August

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Praxis Free *STEM Services:

- Classroom Speakers
- Educational Resource Kits & Models
- Field Trip Site Tours
- Science Fair Support
- Teacher Workshops
- Conferences
- Summer Camps
- Useful Web Links

*STEM = Science, Technology, Engineering and Mathematics

Praxis Society: The Science and Technology Hotline

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