

Teachers' Resource Centre

Saskatchewan Rivers Public School Division #119

Prince Albert, SK

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Grade 8 Science Resources

The following resources are available from the TRC to support the grade 8 science curriculum. For further information regarding the resources listed below, please go to our online catalogue and search using the title OR do a subject search using the title of the unit (ie: Optics and vision).

For those of you who are familiar with our big theme boxes, we are trying smaller kits of less than 10 books in order that more teachers may be able to make use of our resources. For that reason, we ask that you do not book all available resources for a unit but choose instead the ones you think will be most useful for your purposes.

Life Science – Cells, Tissues, Organs and Systems		
Author	Title	Call Number
	Sciencepower 8.	500 SCI 2 copies
	Science in action 8.	500 SCI
	Science in action 8. Teacher's resource package.	500 SCI
	Essential atlas of biology.	570 ESS
Kenneth R. Miller	Biology.	570 MIL
Stephen P. Kramer	Hidden worlds : looking through a scientist's microscope.	570.28 KRA
	Cells : an anthology of current thought.	571.6 CEL
Angela Wagner	Cells.	572.6 WAG
Alvin Silverstein	DNA.	572.8 SIL
Jeff Szpirglas	Gross universe : Your guide to all disgusting things under the sun.	573 SZP
Anna Claybourne	Microlife :	579 CLA
Anna Claybourne	Usborne complete book of the human body., The	611 CLA
	Essential atlas of physiology.	611 ESS
Susan Lang	Human body.	612 LAN
Denise Walker	Cells and life processes.	612 WAL

Richard Walker	Firefly guide to the human body.	612 WAL 3 copies
Carol Ballard	Lungs.	612.2 BAL
Denise Walker	Body systems.	612.3 WAL
Steve Parker	Hormones.	612.4 PAR
Michael R. Wilson	Endocrine system., The	612.4 WIL
Steve Parker	Reproductive system., The	612.6 PAR
Carol Ballard	Eyes.	612.8 BAL
Carol Ballard	Ears.	612.8 BAL
H.P. Newquist	Great brain book., The	612.8 NEW
Steve Parker	Spinal cord and nerves.	612.8 PAR
Kathleen Simpson	Human brain., The	612.82 SIM
Andrew Campbell	Organ transplants.	617.954 CAM
Charles George	Biotech research.	660.6 GEO
<i>Class Sets</i>		
	Cells, tissues, organs, and systems.	CS 571.5 CEL 32 copies + guide
<i>Videos</i>		
	Mystical brain.	DVD 133.8 MYS
	Life processes of plants.	DVD 571.32 LIF
	Cells.	DVD 571.6 CEL
	Cells: the building blocks of life.	DVD 571.6 CEL
	Inside the living cell.	DVD 571.6 INS
Bill Nye	Cells.	DVD 571.6 NYE 2 copies
	Genes and heredity.	DVD 576.5 GEN 2 copies
	Bones of it: an introduction to the skeleton., The	DVD 611 BON
Bill Nye	Heart.	DVD 611.12 NYE
	Digestive and excretory systems.	DVD 611.3 DIG 2 copies
	Skeletal and muscular systems.	DVD 611.7 SKE 2 copies
	Human body: pushing the limits, brainpower.	DVD 612 HUM
	Human body: pushing the limits, sensation.	DVD 612 HUM
	Human body: pushing the limits, sight.	DVD 612 HUM

	Human body: pushing the limits, strength.	DVD 612 HUM
	Interrelationship of the body systems.	DVD 612 INT 2 copies
	Reproductive and endocrine systems.	DVD 612 REP 2 copies
	Homeostasis.	DVD 612.022 HOM
	Circulatory and respiratory systems.	DVD 612.2 CIR 2 copies
	Reproductive system., The	DVD 612.6 REP
	Body in motion: an introduction., The	DVD 612.76 BOD
	Influences on movement.	DVD 612.76 INF
	Brain and the nervous system., The	DVD 612.8 BRA 2 copies
	Fitness, skill and training.	DVD 613 FIT
Bill Nye	Genes.	DVD 614.1 NYE
	Immune system.	DVD 616.07 IMM
<i>Kits</i>		
	Let's relate to genetics. (6 books)	KIT 576 LET
	Human anatomy. (10 posters)	KIT 611 HUM
	Body systems.	KIT 612 BOD
<i>Theme Kits</i>		
	Body focus.	TKT 612 BOD 2 copies
<i>Models</i>		
	Heart model.	MOD 611.12 HEA 3 copies
	Pumping heart model.	MOD 611.12 PUM
	Brain model.	MOD 611.81 BRA 3 copies
	Heart., The	MOD 612 HEA
	Human eye., The	MOD 612 HUM 3 copies
	Skeleton.	MOD 612.7 SKE

<i>Oversize Resources</i>		
	Genetics & heredity. [Flip charts]	OS 576.5 GEN
	Body systems. (5 charts)	OS 612 BOD
David Drew	Body maps.	OS 612 DRE
David Drew	Body facts.	OS 612 DRE
	Growing up.	OS 612 GRO
	Hormones.	OS 612 HOR
	Human body., The (7 charts)	OS 612 HUM
	Human body., The	OS 612 HUM
	Incredible human body flip charts., The	OS 612 INC
Physical Science – Optics and Vision		
Author	Title	Call Number
<i>Individual Titles</i>		
	Nelson science & technology 8.	500 NEL 2 copies
	Sciencepower 8.	500 SCI 2 copies
	Science in action 8.	500 SCI
	Science in action 8, teacher's resource package.	500 SCI
Philip Steele	Galileo : the genius who faced the inquisition.	520.92 PHI
Hasan Fakhruddin	Physics demos and hands-on.	530 FAK
William J. Boerst	Isaac Newton : organizing the universe.	530.092 BOE
Charles J. Caes	Discovering the speed of light.	535 CAE
Trevor Day	Light.	535 DAY
Michael Margolin	Light & color.	535 MAR 2 copies
	Optics. [Grade 8]	535 OPT
William C. Robertson	Light.	535 ROB
Ed Simpson.	Getting started with light & optics.	535 SIM

<i>Class Sets</i>		
	Optics. <i>Science & Technology activities resource.</i>	CS 535 OPT 10 copies + guide
	Optics. <i>Nelson Science & Technology 8.</i>	CS 535 OPT 31 copies + guide
<i>Videos</i>		
Bill Nye	Energy transfer.	DVD 500 NYE
	Saturn's eyes: taking the planet's pulse.	DVD 523.9 SAT
	Investigating sound and light.	DVD 534 INV
	Beings of light.	DVD 535 BEI
	Energies of light.	DVD 535 ENE
	Light.	DVD 535 LIG 4 copies
	Mythbusters: reflected energy.	DVD 535 MYT
Bill Nye	Light optics.	DVD 571.47 NYE
Bill Nye	Eyeball.	DVD 611.84 NYE
	Human body: pushing the limits, sight.	DVD 612 HUM
<i>Kits</i>		
	Prisms.	KIT 516.126 PRI
	Optical bench kit.	KIT 535 OPT
	Optics mirror set.	KIT 535 OPT 2 copies
	Ray box.	KIT 535 RAY 2 copies
<i>Models</i>		
	Human eye.	MOD 612 HUM 2 copies
	Mirrors.	MOD 748.8 MIR

Physical Science – Forces, Fluids, and Density

Author	Title	Call Number
<i>Individual Resources</i>		
	Nelson science & technology 8.	500 NEL 2 copies
	Sciencepower 8.	500 SCI 2 copies
	Science in action 8.	500 SCI
	Science in action 8, teacher's resource package.	500 SCI
Hasan Fakhruddin	Physics demos and hands-on.	530 FAK
	Inquiry in action : investigating matter through inquiry.	530 INQ
	Introducing physics.	530 INT
Robert W. Wood	Physics for kids.	531.078 WOO
Don Nardo	Force and motion : laws of movement.	531.6 NAR
	Fluids [Grade 8].	532 FLU
	Fluids [Grade 8] teacher's guide.	532 FLU
Ed Simpson	Getting started with hydraulics & pneumatics.	532 SIM
Ed Simpson	Getting started with floating and sinking.	532 SIM
	Mechanical advantage and efficiency, teacher's resource.	621.8 MEC 3 copies
<i>Fluids</i>		
	Fluids. <i>Science & Technology activities resource.</i>	CS 530.42 FLU 10 copies + guide
	Fluids. <i>Nelson Science & Technology 8.</i>	CS 530.42 FLU 31 copies + guide
<i>Videos</i>		
Bill Nye	Fluids.	DVD 530.42 NYE
	Investigating motion, forces, and energy.	DVD 531 INV
Bill Nye	Pressure.	DVD 531.1 NYE

Bill Nye	Buoyancy.	DVD 532.02 NYE 2 copies
Bill Nye	Atoms.	DVD 612.76 NYE
<i>Kits</i>		
	Physics of the impossiball.	KIT 530 PHY
	Fluids and pressure. (5 books)	KIT 540 FLU
Earth & Space Science – Water Systems on Earth		
Author	Title	Call Number
<i>Individual Titles</i>		
	Teaching green, the middle years.	333.7 TEA
	Discover a watershed : the watershed manager educators guide.	333.73 DIS
Valerie Bodden	Water for life.	333.91 BOD
Yael Calhoun	Water in the news.	333.91 CAL
George Graybill	Conservation: fresh water resources.	333.91 GRA
George Graybill	Conservation: waterway habitat resources.	333.91 GRA
George Graybill	Conservation: ocean water resources.	333.91 GRA
Cheryl Jakob	Water supply.	333.91 JAK
Cathryn Berger Kaye	Going blue : a teen guide to saving our oceans & waterways.	333.91 KAY
	Residents' perspectives on the Churchill River.	333.91 RES
	Water resource management.	333.911 WAT
Laura La Bella	Not enough to drink : pollution, drought, and tainted water supplies.	363.6 LAB
	Will the world run out of fresh water?	363.6 WIL 2 copies
Cordelia Strange	Water pollution and health.	363.739 STR
Andrew Langley	Avoiding hunger and finding water.	363.8 LAN
	Sciencepower 8.	500 SCI 2 copies
	Science in action 8.	500 SCI

	Science in action 8, teacher's resource package.	500 SCI
	Planet Earth : an illustrated history.	508 PLA
	Fragile Earth : what's happening to our planet?	550 FRA
Peter M. Jonker	Sand dunes of Lake Athabasca., The	551.3 JON
	Healthy water, healthy people.	553.7 HEA
	Wow! The wonders of wetlands.	553.7 WOW
Heinjo Lahring	Water and wetland plants of the Prairie provinces.	581.76 LAH
Richard Spilsbury	Pros and cons of water power., The	621.31 SPI
<i>Class Sets</i>		
	Climate, nature, people : indicators of Canada's changing climate.	CS 363.738 CLI 31 copies
	Water systems.	CS 553.7 WAT 31 copies + guide
<i>Videos</i>		
	Running water: how it erodes and deposits.	DVD 333.91 RUN
	Water detectives.	DVD 333.91 WAT
	Save my lake.	DVD 333.9163 SAV
Bill Nye	Water cycle.	DVD 363.61 NYE
	Antarctic challenge: a global warning., The	DVD 363.738 ANT
	Vanishing ice.	DVD 363.738 VAN
	Planet Earth., The	DVD 550 PLA
	Earth : inside and out., The	DVD 551.1 EAR
	Rocks, minerals and soils.	DVD 551.1 ROC 2 copies
	Glaciation : ice shapes the land.	DVD 551.31 GLA
Bill Nye	Oceanography.	DVD 551.46 NYE
	Rivers : shapers of earth landscapes.	DVD 551.46 RIV DVD + guide
	Weather smart: forecasting and weather instruments.	DVD 551.63 WEA
	Antarctica challenge., The	DVD 551.698 ANT
	Earth: the water planet.	DVD 553.7 EAR
	Along the African rift.	DVD 557.1 ALO
	Appalachians., The	DVD 557.1 APP
	Atlantic coast., The	DVD 557.1 ATL

	Canadian shield., The	DVD 557.1 CAN
	Collision zone: Asia., The	DVD 557.1 COL
	Geologic journey: teacher resource guide.	DVD 557.1 GEO
	Geologic journey II: teacher resource guide.	DVD 557.1 GEO
	Great lakes., The	DVD 557.1 GRE
	Pacific rim: Americas., The	DVD 557.1 PAC
	Tectonic Europe.	DVD 557.1 TEC
	Western pacific rim., The	DVD 557.1 WES
	Great lakes., The	DVD 577.627 GRE
	Maritimes., The	DVD 577.627 MAR
	National perspective., The	DVD 577.627 NAT
	North., The	DVD 577.627 NOR
	Prairies., The	DVD 577.627 PRA
	Rockies., The	DVD 577.627 ROC
	St. Lawrence., The	DVD 577.627 ST
	Water analysis.	DVD 628.162 WAT
<i>Kits</i>		
	Water science. (6 books)	KIT 551 WAT 3 copies
<i>Theme Kits</i>		
	Natural disasters.	TKT 363.34 NAT
	Groundwater contamination. Box 1 of 2.	TKT 553.79 GRO
	Groundwater contamination. Box 2 of 2.	TKT 553.79 GRO
<i>Models</i>		
	Ocean floor relief map.	MOD 551.46 OCE
<i>Oversize Resources</i>		
	Saskatchewan watersheds.	OS 551.48 SAS 2 copies