

BLAST OUT THE BRAIN DRAIN!!!

Dear Parents,

We are very excited to invite your future 4th grade child to participate in our summer enrichment program! This is a wonderful opportunity to **STOP** the summer brain drain. It has been noted that students can lose 30-50% of their academic growth over the summer months. Over the course of three years, this can accumulate to a **full year's** worth of knowledge and progress. We do not want this to happen. This packet includes details about our **reading and math challenge** and ideas on how to incorporate outdoor play into your summer. You will even find an event calendar displaying local events. There is also a copy of the *Core Knowledge Sequence*, which describes what your child will be learning next year. Please partner with us to promote and continue your child's academic growth over the summer and encourage your student to **turn in the last 2 sheets of this packet**. Remember to write the student's and teacher's names. We are eager to see their summer triumphs.

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Now For the Fun Part

We would like to recognize and celebrate your hard work in these endeavors by offering fun events in the fall.

3

There are three tiers of reading incentives:



1

*The first tier is for children who read a **quarter** of the hours listed on page 3. These students will be invited to an **Ice Cream Social!***

2

*The second tier is for children who read **half** of the listed hours. These students will be invited to the Ice Cream Social and get **TWO FREE PASSES!** A homework pass and a bathroom pass!*

*The third tier, **THE GRAND PRIZE**, is for those who **meet** or **exceed** the goals listed. They will be invited to the Ice Cream Social, get **FREE PASSES**, and earn a **MOVIE NIGHT**. All three could be yours with your diligent reading efforts.*

In addition, each student will earn one raffle ticket for each tier completed, with the hopes of

winning the..... *Grand Prize!!!*

A HUGE thanks goes to Kerri Davis from Horace Mann Insurance Co. for making this donation.

MATH WHIZ

Play the math board game attached. Fill in **all** squares to earn a MATH PRIZE!!!

Your quest, should you choose to accept: complete **10 hours** of math work over the summer, and chart your progress on the game board.

Find out what the new math prize is by turning in your 10 hours' worth of work or printed report attached to your game board. You won't want to miss out on this fabulous prize!

Math Online

- * Sign up for your free account at www.mathabc.com.
- * Choose your own username and password.
- * Select the grade you just completed.
- * Read the "How Does it Work?" section.
- * Select one of the math areas to practice, moving through the courses throughout the summer.
- * The number of stars before each activity, tells you the level of difficulty, one star being the easiest and five stars being the most difficult.
- * When returning to school, click the *Report* tab and print out your math progress.

Want to try something new? Take your quest to a whole new level and do your math work **online!** You can track your progress and time online, print your report, and turn it in attached to your **fully filled in** math game board to receive the **new math prize**.

IMPORTANT- Whatever written work you do, whether it is a math workbook or print-offs from the computer, **return them to school**, so you can accept your prize and so your teacher can be amazed and wowed by your efforts to be a **Math Master!** If you choose to logon to www.mathabc.com , all you have to do is print the report detailing your math progress! It's as easy as "pi."

If you feel overwhelmed about where to start, rest easy, here are a few resources:



→ There are **grade-level workbooks** and flashcards that can be found at Dollar Tree, Wal-Mart, School Crossing, Mardels, or Target (i.e., Summer Bridge series). We also encourage you to firm up on the math facts from your current year and to get in the groove for next year's math facts! Practicing with these will help you increase your math fact speed and accuracy

Name: _____

Future Teacher: _____

SUMMER FUN ACTIVITES FOR THE WHOLE FAMILY

If you have been swallowed
into a sink hole on your couch
and feel drained from too
much TV and tablet time, then
it's time to get active!

Have an adult initial next to
each finished activity!

1. Make art with chalk paint or sidewalk chalk _____
2. Have a Lemonade Stand _____
3. Go on a family hike _____
4. Go on a factory tour _____
5. Make homemade pizza _____
6. Have a Backyard Campout and eat S'mores _____
7. Have a Family Game Night _____
8. Visit the library _____
9. Attend a Drive-in-Movie _____
10. Visit a splash park _____
11. Enjoy a backyard swim/sprinkler party _____
12. Go to a baseball game _____
13. Go stargazing at night _____
14. Go on a scavenger hunt _____
15. Do a science experiment _____
16. Build a fort _____
17. Watch a firework show _____
18. Make homemade Play-Doh _____
19. Have a family sleepover in the living room _____
20. Have a water/water balloon fight _____
21. Go to the zoo _____
22. Make homemade ice cream _____
23. Visit a museum _____
24. Go on a bike ride _____
25. Enjoy a root beer float _____
26. Write in a journal _____
27. Put together a puzzle _____
28. Practice cursive by writing with shaving cream _____
29. Visit a historical site _____
30. With an adult, ride the city bus _____
31. Feed the ducks at the park _____
32. Make cookies for someone outside your family _____
33. Make paper airplanes _____
34. Make a bird house or bird feeder _____
35. Exercise together _____
36. Celebrate an "un-birthday" _____
37. Write in a journal _____
38. Play hide-n-seek in the dark _____
39. Write a letter _____
40. Play charades _____
41. Visit a farm _____
42. Make popsicles _____
43. Visit a new park _____
44. Plant flowers _____
45. Go to a parade _____
46. Get your face painted _____
47. Make a noodle/cereal necklace _____
48. Go to the movies _____
49. Create a puppet show _____
50. Go on a nature walk _____

Books and Books

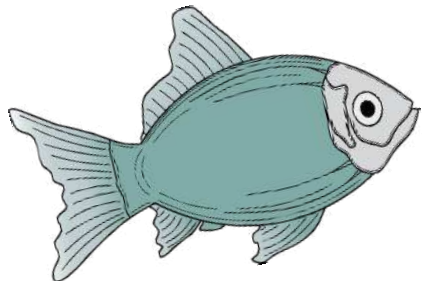
Below are the Summer Readers' guidelines. The hours are the total amount we would like you to read, but any reading over the summer will be beneficial.

Don't forget to record the amount of time you read, so you can be rewarded for your diligence. This packet and the reading lists are also available on our website at www.jamesirwin.org.



For incoming 4th graders: **30** hours over the summer will qualify you for the Top 3rd tier!

On the next few pages are some age-appropriate books that you might enjoy.



Resourcefulness

Practice your Character First trait, Resourcefulness, by turning in your reading minutes to your local library, Barnes and Noble, Chuckie Cheese, and even the Air Force website to get more prizes when you turn in your reading minutes to them!

James Irwin Summer Reading List

3rd-5th Graders

- **Literature 3-5**
- *Adventures of Tintin* by Herge
- *Adventures of Tom Bombadil*** by J. R. R. Tolkien
- *Alice's Adventures in Wonderland*** by Lewis Carroll
- *All Sail Set* by Armstrong Sperry
- *All-of-a-Kind Family* by Sydney Taylor
- *America's Paul Revere* by Esther Forbes
- *Arabian Nights*** translated by Edward Lane
- *Archimedes & the Door of Science* by Jeanne Bendick
- *Aristotle, Dean of Early Science* by Glanville Downey & other Immortals of Science biographies
- *At the Back of the North Wind*** and other books by George MacDonald
- *Behind Rebel Lines* by Seymour V. Reit
- *Big Red* by Jim Kjelgaard
- *Black Beauty: the Autobiography of a Horse* by Anna Sewell
- *Black Stallion* and other books by Walter Farley
- *Borrowers* by Mary Norton
- *Boy Apprenticed to an Enchanter*** by Padriac Colum
- *Bright April* by Marguerite de Angeli
- *Fantastic Mr. Fox* by Roald Dahl
- *Caddie Woodlawn* by Carol Brink
- *Call of the Wild* by Jack London
- *Canterbury Tales* retold by G. McCaughrean
- *Chitty Chitty Bang Bang* by Ian Fleming
- *Chronicles of Narnia* by C. S. Lewis (**except *The Lion, the Witch and the Wardrobe***)
- *Cricket in Times Square* by George Selden
- *Daniel Boone* by James Daugherty
- *Dear Mr. Henshaw* by Beverly Cleary
- *Destination Moon* by James Irwin (our name sake)
- *Door in the Wall* by Marguerite de Angeli
- *King of the Wind* by Marguerite Henry
- *Little House Series* by Laura Ingalls Wilder (**except *Little House in the Big Woods***)
- *Little Princess* by Frances Hodgson Burnett
- *Mr. Popper's Penguins* by Richard Atwater
- *My Side of the Mountain* by Jean Craighead George

James Irwin Summer Reading List

3rd-5th Graders

Literature 3-5 (continued)

- *Number the Stars** by Lois Lowry
- *Old Yeller* by Fred Gipson
- *Peter Pan*** by James Barrie
- *Pippi Longstocking*** and other books by Astrid Lindgren
- *Pollyanna* by Eleanor Porter
- *Save Queen of Shebah* by Louise Moeri
- *Shiloh* by Phyllis Reynolds Naylor
- *Sarah, Plain and Tall* by Patricia MacLachlan
- *Secret Garden* by Frances Hodgson Burnett
- *Wind in the Willows* by Kenneth Grahame
- *Wonderful Wizard of Oz*** and other books by Frank Baum
- *Merry Adventures of Robin Hood* by Howard Pyle
- *Mrs. Frisby & the Rats of NIMH* by Robert O'Brien
- *Prince and the Pauper* by Mark Twain
- *Robinson Crusoe* by Daniel Defoe
- *Roll of Thunder, Hear My Cry** by Mildred Taylor
- *Swiss Family Robinson* by Johann Wyss
- *Sounder** by William H. Armstrong
- *Treasure Island* by Robert Louis Stevenson
- *Twenty Thousand Leagues under the Sea* and others by Jules Verne

Advanced Literature 3-5

- *Adventures of Huckleberry Finn** by Mark Twain
- *Adventures of Tom Sawyer* by Mark Twain
- *And Now Miguel* by Joseph Krumguld
- *Anne of Green Gables* by L. M. Montgomery
- *Esperanza Rising* by Pam Munoz Ryan
- *Heidi* by Joanna Spyri
- *Little Men* by Louisa May Alcott
- *Little Women and others* by Louisa May Alcott
- *The Witch of Blackbird Pond* by Elizabeth George Speare
- *The Bridge to Terabithia*** by Katherine Paterson
- *The Book of Three*** and other books by Lloyd Alexander
- *Little Britches Series* by Ralph Moody
- ***Mature**
- ****Imaginable/Magical**

Looking Forward

This page details what your student will learn in the coming school year, should you want to read any books or do any activities that will build familiarity with the topics.

The Scope and Sequence for the **4th grade** year includes the following topics:

History and Geography

- Mountains and Mountain Ranges
- Europe in the Middle Ages: Geography, History of the Christian Church, Feudalism, The Norman Conquest, England
- The Spread of Islam and the “Holy Wars”: Islam, Wars between Muslims and Christians
- Early and Medieval African Kingdoms and African Geography
- China: Dynasties and Conquerors
- The American Revolution” Causes and Provocations and the Revolution
- Making a Constitutional Government: Declaration of Independence, Constitution, Levels, Functions of the Government, Early presidents, Politics, Reformers, Symbols, Figures

Science

- The Circulatory and Respiratory Systems
- Chemistry: Basic Terms and Concepts
- Electricity
- Geology: The Earth’s Layers, Formation of Mountains, Rocks, Weathering, Erosion
- Meteorology

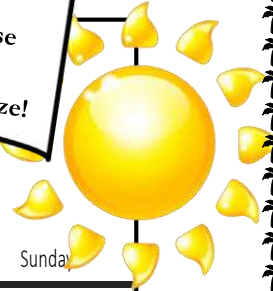
Math

- Numbers and Number Sense
- Fractions and Decimals
- Money
- Computation
- Measurement/Geometry

Summer Events

Try and find a James Irwin Charter Elementary School teacher at one of these events! If you do, take a picture with them and post a picture to the JICES Volunteer Facebook with the words "Brain Drain"! You might get a special prize!

2016 JUNE

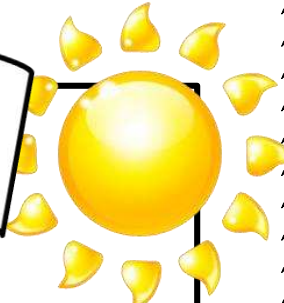


Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
30	31	01 Volunteer Trail Walk at Ute Valley Pass 5:30AM - 7:30AM	02 JICES Mandatory Show Day	03 Free concert at Stargrass Theater 8PM Old Colo. City Art Walkk 5PM Fair Festival in Castle Rock 3rd-5th	04 Prospect Lak "Get Out Doors" 9AM-4PM	05
06	07 Dance in the Garden at Hillside Gardens 6PM	08	09 Circus Xtreme	10 First and Main Concert Series	11 Downtown Food Tour Every Sat 2 PM Color Run 10AM	12 Pikes Peak Soap Box Derby 8AM-2PM
13	14 Library Lawn Concert Series PPLD	15 Summer Rodeo Series Western Street Breakfast on Tejon 5:30AM	16 PPLD Open Mic Night 6PM	17 Pikes Peak Celtic Festival 17th-19th Strawberry Days in Glennwood Springs	18 Pikes Peak Airway Attack Airshow 18th-19th	19 Happy Father's Day!
20 Starlight Spectacular Bike Ride at Garden of the Gods	21	22 Summer Rodeo Series	23	24 Royal Gorge Whitewater Festival 24th-25th	25 Climb for Courage 9AM Chuckwagon Dinner at Flying W Ranch South Platte River Fest	26 Tejon Bike Fest 10AM Donkey Derby Days in Cripple Creek 9AM
27	28	29 Summer Rodeo Series	30 Moonlight on the Mountain at Cheyenne Mountain Zoo	01	02	03

This summer will never get boring when you remember to work on your fun-filled family activities, attend these exciting events while searching for a teacher, and most importantly, keep your brain wrinkly by working on math and reading!

Summer Events

Find a James Irwin Charter Elementary School teacher at one of these events! If you do, take a picture with them and post a picture to the JICES Volunteer Facebook with the words "Brain Drain"! You might get a special prize!



2016 JULY

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
27	28	29	30	01	02	03
				Old Colo. City Artwalk Every Fri. Grand Prix of CO at Olympic Training Center 9AM 1st-3rd	Pikes Peak Art at America the Beautiful 2nd-4th Spring Spree at Memorial Park	Downtown Sunday Market 9AM Every Sun.
04	05	06	07	08	09	10
Cripple Creek 4th Festival 9AM Security Firehouse Pancake Breakfast Flag Flying Zipline Tour 8AM Adv. West. Manitou Ice Cream Social 5:30PM	Fountain Farmers Markt 7AM Every Tues.	Volunteer Trail Walk at Ute Valley Park 5:30AM	Braigate Movie in the Park- Minions \$1 Movie Day Wed. & Thurs Cinemark	First and Main Summer Concert Series Monument Market Place Movie 7PM	Downtown Food Tour Every Sat 2PM Family Adventure Day 10AM Bemis Art	Colorado Farm and Art Market 9AM Every Sat. Old Colorado City Farmers Market 7AM Every Sat.
11	12	13	14	15	16	17
	Meridian Ranch Farmers Market 1PM Every Tues.	Pikes Peak or Bust Rodeo 13th-16th Chess Meet at Petires Family Games 6PM	Colorado Famr and Art Market 3PM Every Wed.	Fine Arts Center Free Day Jazz Concert in Bancroft Park Every Thurs.	El Paso County Fair 16th-23rd Pueblo Riverwalk Movie The Good Dinosaur 9PM	Promade Briargate Farmers Market 9AM Every Sun.
18	19	20	21	22	23	24
	Tour Patsy's Candy 11AM any day Mon-Fri		Briagate Movie in the Park - Inside Out	Manitou Community Market 3PM Every Thurs.	Friday Night Fireworks at Skysox	Cooking Class at William Sonoma 9AM
25	26	27	28	29	30	31
	Go to Fountain Creek Nature Center	Chess Meet at Petries Family Games 6PM	Go to Space Discovery Museum Discounts Online		Great Inflatable Race 9AM Memorial Park Blues Under the Bridge	

This summer will never get boring when you remember to work on your fun-filled family activities, attend these exciting events while searching for a teacher, and most importantly, keep your brain wrinkly by working on math and reading!

4th Grade Spelling Words to Know

zipper

collar

kept

huge

awhile

surprise

station

trailer

nation

believe

reason

icicle

highway

cycle

poem

goal

glow

whose

used

flower

flour

moist

ought

daughter

forth

forty

certain

thirst

because

thought

spare

scare

meant

already

knot

wring

