

WELCOME to St. James Lutheran Church

We ask you to, if you wish,.....

PRINT THE ATTACHED BULLETIN...to follow along with Sunday's Service.
*As you are worshipping from home, you are invited to set aside a sacred space for worship.
Light a candle and set out your bread and wine.*

Worship Service - Streaming live @ 9:30am or watch later!



Click on image OR
FB Search: Saint James Lutheran Church of Columbus, Montana



Click on image or the link below to be directed to our website:
www.lutheranchurchcolumbusmt.org

****Scroll down to "Click here for the St. James YouTube link"**

To our faithful followers at home or where ever you are, PLEASE let us know you are watching by writing a post or give your name.
We'd love to hear from you!

Having Fun with Faith...

We hope you are enjoying the series of "Children's Worship Bulletins", attached to **Every Weekly Preparing for Worship Email**. Again, you will notice – The Children's Bulletin activities, are available for two age groups (3+ and 7+) and match the same Lessons & Gospel with which WE are also reflecting on during Sunday Worship each week. There is also a unique to our church, SAFE & secure online "secret code" found in their bulletin, which gives you/them access to online games that reinforce the message for the week. These games are geared toward all age levels, so, everyone can join in the fun!

ALSO,

you have an opportunity to ENJOY and share MORE activities throughout the week.

Every Tuesday or Thursday, watch for the email with summer activity sheets.

Every Wednesday, watch for the Word(s) on Wednesday email with a copy of Pastor Tonia's weekly message and two Bible Crossword Puzzles.

We hope you have taken the time to CHECK OUT these NEW programs from St. James, have opened the attachments, printed the pages, and ENJOYED the fun!
Again, PLEASE FORWARD & SHARE these with your kids, grandkids, friends & friend's friends!!!!

St. James Lutheran Church

205 E 1st Ave. N. Columbus, MT 59019

Leader: Pastor Tonia Fisher (406) 656-9557

Email: toniafisherclarkmt@gmail.com

*Our Mission: "We worship together, grow in faith,
share our faith and serve with the love of God"*



Sunday August 14th, 2022 – 10th Sunday after Pentecost

Welcome, Announcements & Opportunities for Serving

The grace of our Lord Jesus Christ, and the love of God, and the communion of the Holy Spirit be with you alland also be with you.

Let us stand, as you are able, and prepare our hearts for worship

GATHERING

Confession & Forgiveness

Merciful God, we confess we have not followed your path but have chosen our own way.

Instead of putting others before ourselves, we long to take the best seats at the table. When met by those in need, we have too often passed by on the other side. Set us again on the path of life. Save us from ourselves and free us to love our neighbors. Amen.

Assurance of God's Love

Gathering Hymn: "Great is Thy Faithfulness"



1 Great is thy faith - ful - ness, O God my Fa - ther; there is no
2 Sum - mer and win - ter and spring - time and har - vest, sun, moon, and
3 Par - don for sin and a peace that en - dur - eth, thine own dear

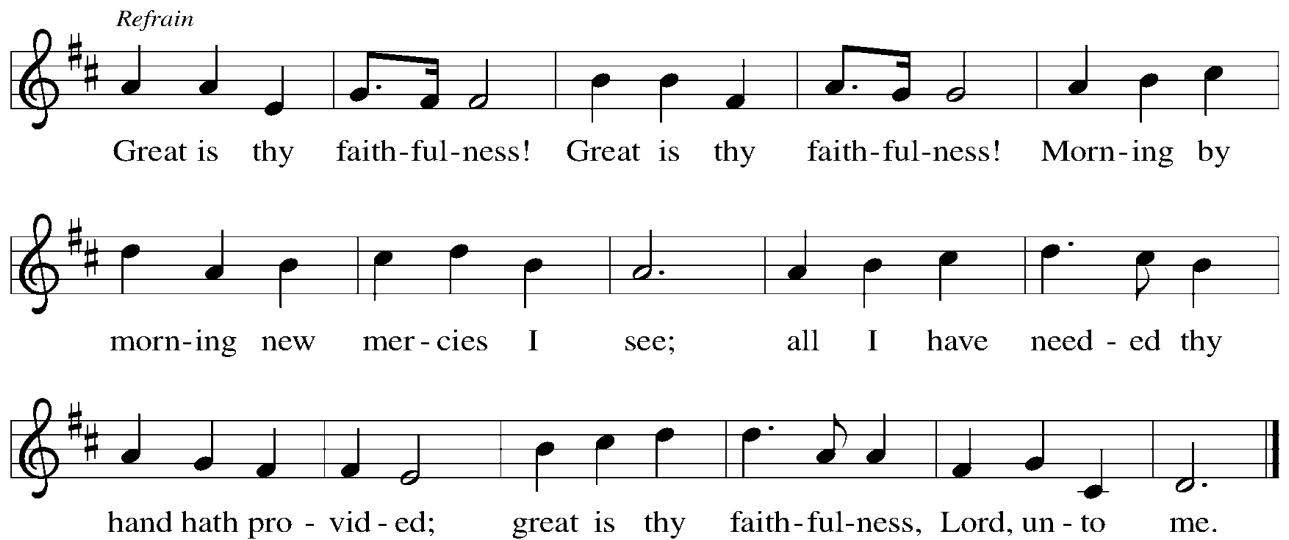


shad - ow of turn - ing with thee; thou chang - est not, thy com -
stars in their cours - es a - bove join with all na - ture in
pres - ence to cheer and to guide; strength for to - day and bright



pas - sions they fail not; as thou hast been, thou for - ev - er wilt be.
man - i - fold wit - ness to thy great faith - ful - ness, mer - cy, and love.
hope for to - mor - row, bless - ings all mine, with ten thou - sand be - side!

Refrain



Great is thy faith-ful-ness! Great is thy faith-ful-ness! Morn-ing by
morn-ing new mer-cies I see; all I have need-ed thy
hand hath pro-vid-ed; great is thy faith-ful-ness, Lord, un-to me.

Prayer of the Day:

O God, judge eternal, you love justice and hate oppression, and you call us to share your zeal for truth. Give us courage to take our stand with all victims of bloodshed and greed, and, following your servants and prophets, to look to the pioneer and perfecter of our faith, your Son, Jesus Christ, our Savior and Lord. Amen.

WORD

Hear the 1st Reading: Jeremiah 23:23-29

²³Am I a God nearby, says the LORD, and not a God far off? ²⁴Who can hide in secret places so I cannot see them? says the LORD. Do I not fill heaven and earth? says the LORD. ²⁵I have heard what the prophets have said who prophesy lies in my name, saying, "I have dreamed, I have dreamed!" ²⁶How long? Will the hearts of the prophets ever turn back - those who prophesy lies, and who prophesy the deceit of their own heart? ²⁷They plan to make my people forget my name by their dreams so they tell one another, just as their ancestors forgot my name for Baal. ²⁸Let the prophet who has a dream tell the dream but let the one who has my word speak my word faithfully. What has straw in common with wheat? says the LORD. ²⁹Is not my word like fire, says the LORD, and like a hammer that breaks a rock in pieces?

Word of Wisdom, Word of God. **THANKS BE TO GOD.**

Read Psalm 82 responsively by whole verse

¹God stands to charge the divine council assembled, giving judgment in the midst of the gods: ²**"How long will you judge unjustly, and show favor to the wicked?"** ³Save the weak and the orphan; defend the humble and needy; ⁴**rescue the weak and the poor; deliver them from the power of the wicked.** ⁵They do not know, neither do they understand; they wander about in darkness; all the foundations of the earth are shaken. ⁶**Now I say to you, 'You are gods, and all of you children of the Most High;** ⁷nevertheless, you shall die like mortals, and fall like any prince.'⁸ **Arise, O God, and rule the earth, for you shall take all nations for your own.**

Hear the 2nd Reading: Hebrews 11:29—12:2

²⁹By faith the people passed through the Red Sea as if it were dry land, but when the Egyptians attempted to do so they were drowned. ³⁰By faith the walls of Jericho fell after they had been encircled for seven days. ³¹By faith Rahab the prostitute did not perish with those who were disobedient, because she had received the spies in peace. ³²And what more should I say? For time would fail me to tell of Gideon, Barak, Samson, Jephthah, of David and Samuel and the prophets—³³who through faith conquered kingdoms, administered justice, obtained promises, shut the mouths of lions, ³⁴quenched raging fire, escaped the edge of the sword, won strength out of weakness, became mighty in war, put foreign armies to flight. ³⁵Women received their dead by resurrection. Others were tortured, refusing to accept release, in order to obtain a better resurrection. ³⁶Others suffered mocking and flogging, and even chains and imprisonment. ³⁷They were stoned to death, they were sawn in two, they were killed by the sword; they

went about in skins of sheep and goats, destitute, persecuted, tormented—³⁸of whom the world was not worthy. They wandered in deserts and mountains, and in caves and holes in the ground. ³⁹Yet all these, though they were commended for their faith, did not receive what was promised, ⁴⁰since God had provided something better so they would not, apart from us, be made perfect.

^{12:1}Therefore, since we are surrounded by so great a cloud of witnesses, let us also lay aside every weight and the sin which clings so closely, and let us run with perseverance the race which is set before us, ²looking to Jesus the pioneer and perfecter of our faith, who for the sake of the joy which was set before him endured the cross, disregarding its shame, and has taken his seat at the right hand of the throne of God.

Word of Wisdom, Word of God. **THANKS BE TO GOD.**

Please stand, as you are able, to welcome the Gospel

The Gospel Acclamation:

We sing: Alleluia, Lord, to whom shall we go? You have the words of eternal life. Alleluia.

The Gospel according to Luke:

We sing the response after the announcement: **“Glory to you, O Lord”**

Luke 12:49-56

Jesus said: ⁴⁹“I came to bring fire to the earth, and how I wish it were already kindled! ⁵⁰I have a baptism with which to be baptized, and what stress I am under until it is completed! ⁵¹Do you think I have come to bring peace to the earth? No, I tell you, but rather division! ⁵²From now on five in one household will be divided, three against two and two against three; ⁵³they will be divided: father against son and son against father, mother against daughter and daughter against mother, mother-in-law against her daughter-in-law and daughter-in-law against mother-in-law.” ⁵⁴He also said to the crowds, “When you see a cloud rising in the west, you immediately say, ‘It is going to rain’; and so it happens. ⁵⁵And when you see the south wind blowing, you say, ‘There will be scorching heat’; and it happens. ⁵⁶You hypocrites! You know how to interpret the appearance of earth and sky, but why do you not know how to interpret the present time?”

The Gospel of the Lord:

We sing the response after the conclusion: **“Praise to you, O Christ”**

Sermon: “By Faith”

Reflection Hymn: “Be Thou My Vision”



1 Be thou my vi - sion, O Lord of my heart;
 2 Be thou my wis - dom, and thou my true word;
 3 Rich - es I heed not, nor vain, emp - ty praise,
 4 Light of my soul, af - ter vic - to - ry won,



naught be all else to me, save that thou art:
 I ev - er with thee and thou with me, Lord.
 thou mine in - her - i - tance, now and al - ways:
 may I reach heav - en's joys, O heav - en's Sun!



thou my best thought both by day and by night,
 Thou my soul's shel - ter, and thou my high tow'r,
 thou and thou on - ly, the first in my heart,
 Heart of my own heart, what - ev - er be - fall,



wak - ing or sleep - ing, thy pres - ence my light.
 raise thou me heav'n - ward, O Pow'r of my pow'r.
 great God of heav - en, my trea - sure thou art.
 still be my vi - sion, O Rul - er of all.

Apostle's Creed ELW #105

I believe in God, the Father almighty, creator of heaven and earth.

I believe in Jesus Christ, God's only Son, our Lord, who was conceived by the Holy Spirit, born of the Virgin Mary, suffered under Pontius Pilate, was crucified, died, and was buried; he descended to the dead. On the third day he rose again; he ascended into heaven. He is seated at the right hand of the Father, and he will come to judge the living and the dead.

I believe in the Holy Spirit, the holy catholic church, the communion of saints, the forgiveness of sins, the resurrection of the body, and the life everlasting. Amen.

Prayers of the People

P: In Your Mercy, (C) sings: "Lord, listen to your children praying" after each prayer.

P: Amen. (C) sings: "Lord, listen to your children praying, Lord, send your spirit in this place; Lord, listen to your children praying, send us love, send us pow'r, send us grace.

Passing of the Peace

.....and we say: **and also with you.**

MEAL

....we thank you for your faithfulness to St. James in sharing your tithes and offerings and allowing us to do God's work with our hands.

Bread & Wine and Our Gifts are brought forward..... while we sing *The Offering Hymn: "Doxology"*

***Praise God from whom all blessings flow;
praise Him, all creatures here below;
praise Him above, ye heavenly host:
Praise Father, Son, and Holy Ghost. Amen.***

Offering Prayer

God of abundance, you have set before us a plentiful harvest. As we feast on your goodness, strengthen us to labor in your field, and equip us to bear fruit for the good of all, in the name of Jesus. Amen.

Table Setting Hymn: "Eat This Bread"

Refrain



"Eat this bread, drink this cup, come to me and nev-er be hun-gry.

Eat this bread, drink this cup, trust in me and you will not thirst."

Great Thanksgiving

The Lord be with you. **And also with you.**

Lift up your hearts. **We lift them to the Lord.**

Let us give thanks to the Lord our God. **It is right to give our thanks and praise**

...we join their unending hymn:

(C) sings: Holy, holy, holy Lord, Lord God of pow'r and might; Heav'n and earth are full of your glory. Hosanna in the highest. Blessed is he who comes in the name of the Lord. Hosanna in the highest.

Words of Institution

The Lord's Prayer

Mystery of our Faith. **Christ has died. Christ is risen. Christ will come again.**

Invitation to Communion

In this meal of bread and wine, we believe Christ is truly present forgiving sin, reconciling us to God and one another, and giving new life. Christ is host. Christ is the one who invites us to the table even while it is properly understood as the meal of the baptized. All are welcome at the Lord's Table.

As communion is distributed, you are invited to sing the following hymns:

"Let Us Break Bread Together"



1 Let us break bread to - geth-er on our knees;
2 Let us drink wine to - geth-er on our knees;
3 Let us praise God to - geth-er on our knees;



let us break bread to - geth-er on our knees.
let us drink wine to - geth-er on our knees.
let us praise God to - geth-er on our knees.



When I fall on my knees, with my face to the ris - ing



sun, O Lord, have mer-cy on me.

“Here is Bread”



1 Here is bread, here is wine, Christ is with us, he is with us.
2 Here is grace, here is peace, Christ is with us, he is with us.
3 Here we are, joined in one, Christ is with us, he is with us.



Break the bread, taste the wine, Christ is with us here.
Know his grace, find his peace, feast on Je - sus here.
We'll pro - claim till he comes Je - sus cru - ci - fied.



In this bread there is heal - ing, in this cup is life for - ev - er.



In this mo - ment, by the Spir - it, Christ is with us here.

“As the Grains of Wheat”



As the grains of wheat once scat - tered on the hill were



gath - ered in - to one to be - come our bread; so may all your peo - ple from



all the ends of earth be gath - ered in - to one in you.



1 As this cup of bless - ing is shared with - in our midst,
2 Let this be a fore - taste of all that is to come when



may we share the pres - ence of your love.
all cre - a - tion shares this feast with you.



1 Christ the Lord to us said: I am wine, I am bread,
 2 Now he sends us all out, strong in faith, free of doubt,

Repeat stanza, then sing refrain



I am wine, I am bread, give to all who thirst and hun - ger.
 strong in faith, free of doubt. Tell to all the joy - ful gos - pel.

THEN SING VERSE TWO, TWICE; BACK TO REFRAIN.

←
**SING VERSE
 ONE, TWICE;
 BACK TO
 REFRAIN**

Dismissal Go in peace. Love your neighbor. **Thanks be to God.**

Music Published by Permission, CCLI #11445215 Worship Service recorded by Permission, CSPL #1686

August Mission offerings.....

~ **Your continued support benefits**

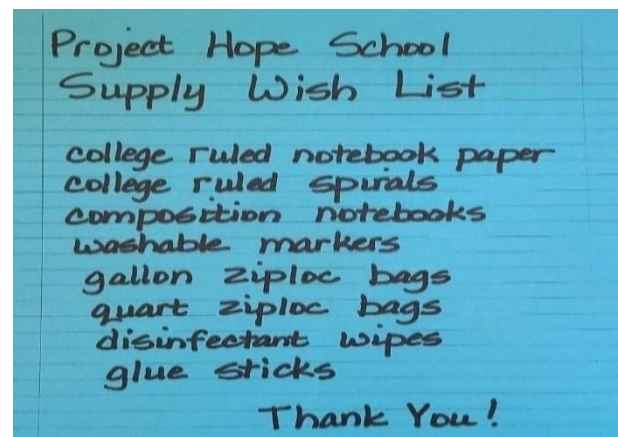
“Beartooth Manor” and

“Meadowlark & Shipp’s Assisted Living Facilities”

**Also, St. James is continuing
 to collect this month....**

**School Supplies for
 Project Hope!!**

**FYI.....A tub is available for your items.
 Let us know if you need us to pick them up for you!
 THANKS!**



A SPECIAL THANK YOU TO THOSE SERVING

August 2022 Altar Guild: Kim Behrent

August 2022 Cleaner(s): Jamie Hess & Kim Behrent

August 2022 Reader(s): Donna Zeigler

August 14th, 2022 Communion Helper(s): Sheri & Brian Luepke

Thank you Maureen Hemphill & Denise Cowan for helping with communion last Sunday

August 14th, 2022 Usher(s): Larry Goehner

Thank you Steve & Denise Cowan for ushering last Sunday.

August 14th, 2022 Gate Keepers: Joy Goehner & Brian Luepke

2022 Musician(s): Marge Sunvold & Betty Ames



Happy August Anniversary

*Bob & Bev Kem 8/3; Jim Dickey & Sally Bisch 8/4;
Mike & Lori Koski 8/25; Brian & Sheri Luepke 8/29;*



Happy August Birthday

*Quincy Davis 8/5; Nick Lofing 8/7; **Connie Bokma 8/8;**
Mirah Lofing 8/18; Gwen Bjorkman 8/19; Steve Smith 8/20;
Arianna Lofing 8/25; Danny Ames 8/30; Nathan Lofing 8/31*

*Vicky & Bill Thompson
invite the members of
St. James Lutheran
Church to the
Retirement Party for
their son, Brent.*

**RETIREMENT
PARTY!**

21 August 2022

BBQ, Food & Drinks

Small Ceremony at 1500 hrs (3:00 p.m.)

Come early, stay late!

Thompson Family Ranch
693 Joliet Road
Columbus, Montana 59019

**MAJOR BRENT W. THOMPSON
& FAMILY
U.S. ARMY**

Thank you for your prayers and generosity. May the Lord bless you and give you peace.

“Your faith in God’s mission for St. James is unshakeable.”

FYI: At the annual meeting held Jan 16th, 2022,

\$96,100 was the yearly approved 2022 budget ÷ 12 months = \$8,008.33 needed each month.

FOR YOUR REVIEW AND PRAYER.....

August 7th Offering gratefully received \$ 740.00

August Total so far: \$ 740.00

****Our 2022 monthly budget to meet is \$ 8,008.33**

**Jan (\$634.43) + Feb (\$1,718.33) + Mar (\$3,428.33) + Apr (\$1,868.33) + May \$6,476.91 + June \$(2,613.33)
+ July (2,248.33) =**

YTD UNDER Monthly Budget by negative (\$6,034.17)

Continued reminder of how to give your monthly tithe or offering to your church.....

1. Mail your offering to the church at St. James Lutheran Church, PO Box 356, Columbus, MT, 59019
2. Take your envelope offering to Pastor Tonia’s parsonage and put in the designated box on her front porch.
3. Stop in at your bank and arrange a monthly auto pay transaction.
4. Give online through **Tithe.ly**, a giving app endorsed by the ELCA. Each transaction carries a small fee. Your gift is safe / secure and goes directly to our church or ministry. Plus, you’ll be able to track all your gifts, setup recurring, and more!

Tithe.ly (click on this blue “Tithe.ly” link – takes you directly to St. James’ account to sign-up)

Remember that Jesus Christ is the same yesterday and today and forever (Hebrews 13:8).

EXCITING NEWS TO SHARE.....

- **St. James members donated a total of \$275.00 to the Red Lodge Relief Fund for flood victims. We pray and offer our help to our fellow man.**
- **The parsonage doors have arrived at the dealer’s warehouse. The front and back entry doors and two storm doors are scheduled to be installed the first week of September by a local contractor.**

*For new prayer requests, please contact **Pastor Tonia**. Text or call her at (406) 656-9557 or email her at toniafisherclarkmt@gmail.com*

PLEASE KEEP IN PRAYER...

For those hospitalized, in nursing homes and homebound, and those battling cancer or other illnesses.

We offer continued prayers for:

Your healing and wisdom Lord for Joy Goehner; Pastor Tonia; Pete Hegg; Bev Kem; Pastor Kim Wilker’s daughter, Eva; Woody DeHaven; Steve Cowan; Zane Fluery; Gary Lofing; Kyme Noble; Victoria Seymour.

Those living with cancer: Bob Rouane; Roger Mullin; Shane DeHaven; Mary Ann Connors; Aracelii Enano; Ashley Foster; Jenny Hansen Cheff; Rick Cox; Delbert Goehner; Les Lane; Jim Wilson and Sandy Yoder’s daughter in law, Lola.

Those affected in our surrounding area by the recent flooding & the needs for its clean-up & lasting effects. Those with COVID and those dealing with its lasting effects.

Ukraine and her people

***Please pray for all of those who serve in our military domestically & overseas,
As well as their spouses and children.***

REMINDER: *WE have one more month to gather for this very important project for Lutheran World Relief!! Take time to clean out that unused fabric, purchase a few spools of thread and deliver to the church! Thank You. Donna*



**LUTHERAN
WORLD RELIEF**

SUMMER - PROJECT FABRIC KITS

Lutheran World Relief provides for our personal involvement in uplifting people around the world.

Central & South America, Africa, the Middle East and Europe.

"Sewing is a valuable skill that can help men & women earn reliable income".

LWR promotes sewing kits as well as other kits that help in the daily lives of people in those countries.

*Thank
You*

.....in advance for your donation of fabric & / or spools of thread.

Include the following items in each Fabric Kit:

- Two pieces of cotton or cotton-blend fabric (no knits or 100% polyester) cut to size below:
✓ 2 ¼ yds of 58" – 62" wide or 3 yds of 42"-62" wide or 4 yds of 34"-37" wide
- Two spools of matching or neutral-colored general purpose thread, 250-300 yards each

*Embody
The Word* 

2022 ELCA
CHURCHWIDE ASSEMBLY
August 8-12, 2022
Columbus, Ohio



ELCA Churchwide Assembly took place August 8th – 12th in Columbus OH. One thousand people were scheduled to attend representing 65 Synods. This Assembly is the highest legislative body for the ELCA and meets every three years. Laity comprise 60% of the assembly's representation and clergy comprise 40%.

Continue to pray for these attendees as they return to their congregations with new visions.

**For more information or to watch this assembly in session, click on the picture for a direct link.

**The Department of Public Health and Human Services
has launched a **988 Suicide Prevention and
Mental Health Crisis Lifeline.****

**Calls made in Montana are routed to centers in
Great Falls, Bozeman or Missoula.**



Also.....



encourage faith and community organizations to be alert to elder abuse situations. Elder abuse has increased in Montana in the year 2021 to about 4,900 victims. Elder abuse can involve adults aged 60 and older and adults with disabilities aged 18-59. Adult Protective Services (APS) contact number is: 1-844-277-9300 or go to www.aps.mt.gov

**OPPORTUNITIES FOR THE CHURCH OF ST. JAMES
TO REFLECT GOD'S LOVE TO EACH OTHER
AND TO OUR NEIGHBORS**

- **Tuesday August 16th or Thursday August 18th, 2022**
"Having Fun with Faith" email with Summer Activity Sheets.
- **Wednesday August 17th, 2022** Watch Pastor Tonia's "Word on Wednesday" message on FB or open the Word(s) on Wednesday email with a copy of Pastor Tonia's weekly message and two Bible Crossword Puzzles.

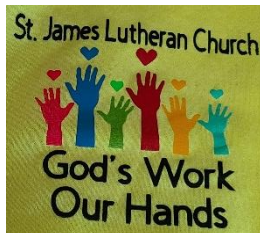
- **Friday August 19th or Saturday August 20th, 2022** The Weekly Preparing for Worship email arrives in your inbox with the bulletin for the upcoming Sunday Worship service and, also, the “Children’s Worship Bulletins” series for you to open and enjoy &/or share with your family & friends.

Upcoming dates:

- **Reminder: Sunday August 21st, 2022** – Invitation for Brent Thompson’s Retirement Ceremony @ 3pm and BBQ, Food & Drinks. Come early & stay late!!
– See above Poster or on bulletin board for more details
- **Sunday August 28th, 2022** – Church Council Meeting immediately after Worship.

Future dates:

- **Sunday September 11th, 2022 – God’s Work, Our Hand’s Service**
St. James will be delivering cookie plates to our shut-in members and to those who **“have to work”** on Sunday’s!! Watch for the upcoming **“ask”** to bring cookies!!

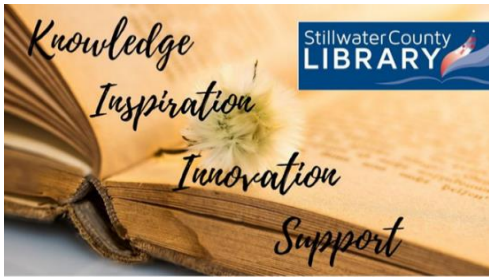


FOR SALE: T-shirts to wear during “God’s work. Our hands.” Sunday event & at other times when St. James serves our community. A mere **\$5.00** will get you one of these great shirts! We only have 15 left in a variety of sizes. **** FYI - Picture doesn’t show exact color - The shirts are a bright yellow!!** Pick one up at the church on Sunday!

- **Sunday September 18th, 2022 – “End of Summer” Picnic for St. James**
*** Watch for future information for this great event!
- **Sunday September 25th, 2022** – Church Council Meeting immediately after Worship

MORE Community Events for St. James:

- Every Monday we are invited:
 - ~ To join us for coffee and visiting from 8-11am at the Stillwater Youth Center.
- Every Tuesday we are invited to attend:
 - ~ The Women’s Adult Group at the Stillwater Youth Center at 9:30am and/or 7:00pm for an inductive study on Revelation
 - ~ Absarokee Quilting Group – 10am in the basement of the Cobblestone building. Knitters, crocheters and embroiderests are welcome.
- Every Wednesday we are invited to attend:
 - ~Social Hour at the Columbus Senior Center at 9:30am
- Every Thursday we are invited to attend:
 - ~ To join us for coffee and visiting from 8-11am at the Stillwater Youth Center.
 - ~The Men’s group at the Stillwater Youth Center at 7pm for a bible study of Acts.
 - ~The NEW Walking Group formed by UCC. Gather @ 8:30am @ the little Stone Church. All are Welcome! Coffee & rolls will follow at 9:15am



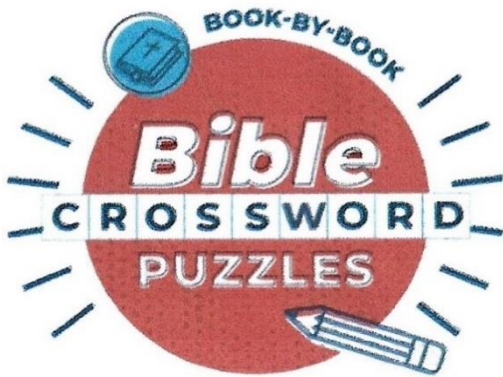
This Week's Events:

Summer Storytime w/Ms. Lisa came to an end last week and the Director states "We had such great fun!" She also thanked all of the local business donors for their pretty amazing prizes. They hope to see everyone again next June!

School & Daycare Outreach: The library will be delivering weekly storytimes to the schools, daycares and homeschool co-ops along with STEAM/STEM and/or craft programs.

THIS WEEKS ANSWERS:

**** Check Wednesday 8/10 Email for these puzzles**



1 Kings

1. Adonijah
2. Solomon
3. Prosper
4. Drought
5. Discerning
6. Mother
7. Sheba
8. Rehoboam
9. Baal
10. NONE

Philippians

1. Purpose
2. Completion
3. Abound
4. Christ
5. Strength
6. Anxiety
7. Ambition
8. Admirable
9. Trembling
10. Glory

IN HONOR OF LUCILLE BALL'S BIRTHDAY MONTH.....

Before there were emojis, there was Lucy! Tee hee!



Lucille Désirée Ball (August 6, 1911 – April 26, 1989) was an American actress, comedienne, and producer. She was nominated for 13 Primetime Emmy Awards, winning five times, and was the recipient of several other accolades, such as the Golden Globe Cecil B. DeMille Award and two stars on the Hollywood Walk of Fame. She earned many honors, including the Women in Film Crystal Award, an induction into the Television Hall of Fame, the Lifetime Achievement Award from the Kennedy Center Honors, and the Governors Award from the Academy of Television Arts & Sciences.