
# RISING 7TH AND 8TH GRADES

## 2019

# Introductions

Scott Feldkamp, Principal

Elizabeth Ihle, AP

Van Lewsader, AP

Justin Mewborn,
Assistant
Administrator

Vicki Rawlins,
Counselor

Sue Sabo,
Counselor

Jeff Clapper,
ITS


# VICKERY CREEK MIDDLE PTO


# 2018 - 2019 PTO Executive Board

Sandy Dickerhofe & Michelle Hall - Co-Presidents

Cheryl Kearney - Vice President

Toni Roberts - Secretary

Allison Ryan - Treasurer

David White - Parliamentarian

PTO

SERVING OUR STUDENTS, STAFF, AND SCHOOL

**Want to know the best thing about the VCMS PTO?**

# NO FUNDRAISING!

Outside of our Membership Drive, there is **NO** fundraising!!

**Ever!**

PTO

SERVING OUR STUDENTS, STAFF, AND SCHOOL

## HOW DO I GET INVOLVED IN MY CHILD'S MIDDLE SCHOOL?

**Support a PTO committee or event!!!!**

- Copy Parent
- Lost & Found
- School Store
- Outside Marquee
- Box Tops
- Newsletter

- Veterans Day
- Book Fair
- Picture Day Volunteer
- Red Ribbon Week
- Cyber Safety

- Social Committee
  - -Fall Event
  - -Winter Event
- Hospitality Committee
- 8th Grade Events
  - -Picnic
  - -Dance


# ESSENTIALS KITS

Essentials Kits provide most of the 'extra' supply items needed to succeed in 6th grade: locker shelf, small calculator, ear buds with case, and vinyl pencil pouch.

Kits can be purchased through May 1 and will be delivered to your student at Open House on July 29th.

Cost: $30 with locker shelf or $20 without locker shelf.


# LOCKER SHELVES

## DO NOT BUY A LOCKER SHELF FROM WALMART…
## IT WON'T FIT.

VCMS lockers are "vintage" and have a very unique size. There is only one specific shelf that fits them. The PTO orders this shelf specifically.

If you do not purchase an Essentials Kit with a locker shelf, locker shelves will be available for purchase at the PTO table at Open House (July 29th). Locker shelves can be purchased at the PTO school store any morning during the school year.


# Want to know what's going on?

- Sign up for the VCMS PTO newsletter
- Email us at vcmspto@gmail.com
- LIKE the Vickery Creek Middle School PTO's
- Facebook page- social media is one of our primary ways of blasting out information about upcoming events and volunteer opportunities!

# VCMS Schedule

## 8 period day

- 5 Academic Classes
(approx. 48 mins each)

- 2 Connections
(approx. 48 mins each)

- Power Time
(approx. 42 mins)

# Rotating Weekly Schedule: A-B-C

## A Week

1st, 2nd, 3rd, 4th, 5th, PT, 6th, 7th

## B Week

1st, 6th, 7th, 2nd, 3rd, PT, 4th, 5th

## C Week

1st, 4th, 5th, 6th, 7th, PT, 2nd, 3rd

PT Power Time

# VCMS Schedule

## Sample Schedule

| Period | TIMES |
|---|---|
| 1 | 9:00 – 9:53 (48) |
| 2 | 9:56 – 10:44(48) |
| 3 | 10:47 – 11:35 (48) |
| 4 + Lunch | 11:38-12:56 (48) |
| 5 | 12:59 – 1:47 (48) |
| PT | 1:51 – 2:33 (42) |
| 6 | 2:36 – 3:24(48) |
| 7 | 3:27– 4:15 (48) |

# VCMS Connections

## 2 connection classes per term


**Family Selected:**

- **Band (Year)- placed in a class section based on ability level. Email Mr. Doyle at pdoyle@forsyth.k12.ga.us with questions.**
- **Chorus (Year)- placed in a class section based on ability level. If you have any questions, email Mrs. Grizzle at mgrizzle@forsyth.k12.ga.us**
- **8th Band and 8th Chorus are no longer for a high school credit.**

**Signup Deadline- April 18.**

**Sign up links located on VCMS homepage- Latest News- Transition Information.**

**School Selected:**

- **Physical Education**
- **Health**
- **Business Computer Science**
- **Video Production/STEAM**
- **Art**
- **Drama**
- **Jr. Leadership**

# VCMS Connections

**2 connection classes per term**

**VCMS Connection Formats:**

- **Band + Chorus**
- **Band + 1 school selected connection per term**
- **Chorus + 1 school selected connection per term**
- **PE + 1 school selected connection class per term**

- **Sign-up for band and/or chorus through Google link on website-Latest News- Transition Information.**

- **Band and Chorus sign-up deadline is April 18th.**

- **8th Yearbook (3 terms) applications due to Ms. Potts.**

# 7th Grade and 8th Grade Core Class Placement

- Class verification letters sent home on Friday, March 29th.
- Signed class verification letters are due to 1st period teacher by April 18th.

# 7th Grade and 8th Grade Core Class Placement

- Placement is based on student data- Milestone scores, overall class grade, and summative scores.

- Placement is based on learning characteristics observed by teacher.

# 7th Grade Core Class Placement

7th grade academic instruction levels are the same as 6th grade.

- On-level
- Advance/gifted

Core classes still include Language Arts (ELA), Reading, Math, Science, and Social Studies.

Note: There is a 3rd level of math instruction- accelerated.

# 8th Grade Core Class Placement

**Language Arts-** same two levels of instruction and incorporates grammar, writing, and reading skills.

- On Level
- Advance/Gifted

**Social Studies-** 6th/7th World Studies to 8th Georgia Studies

- On level
- Advance/Gifted

# 8th Grade Core Class Placement

## SPANISH I

- Takes place of reading class
- Only one level of  instruction: On Level
- High school credit
- No Milestone test
- Final exam is not 20% of overall grade

# 8th Grade Core Class Placement

## SPANISH

- Thematic Units
- Increased Complexity as school year progresses
- Vocabulary Memorization is imperative
- Students have a Performance Evaluation each quarter in speaking, reading comprehension, or writing in addition to tests and quizz

# 8th Grade Core Class Placement

## Physical Science

- Two levels of instruction
  - On Level (on-level math)
  - Advance/Gifted (advance/accelerated math)
- High school credit
- 1st sem= 40% of overall grade
- 2nd sem= 40% of overall grade
- Milestone test (EOC)= 20% of overall grade
- Traditionally, about 98% of physical science students do earn high school credit by receiving a70% or betterfor their final course grade when averaging 1st sem ,2nd sem, and EOC grades.

# 8th Grade Core Class Placement

## Physical Science

*1st Semester:* Intro to Chemistry

- Matter and Heat
- Atoms and the Periodic Table
- Radioactivity
- Chemical Bonding
- Acids, Bases, and Solutions

# 8th Grade Core Class Placement

## Physical Science

*2nd Semester:* Intro to Physics

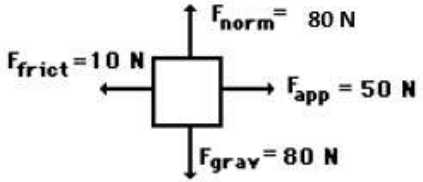
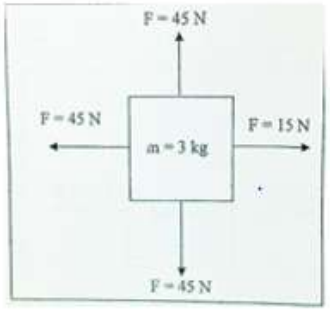
Note: Math heavy

- Energy, Electricity, & Magnetism
- Force
- Motion
- Work, Power, and Simple Machines
- Waves

# 8th Grade Core Class Placement

## Physical Science

Advanced/Gifted vs. On-level

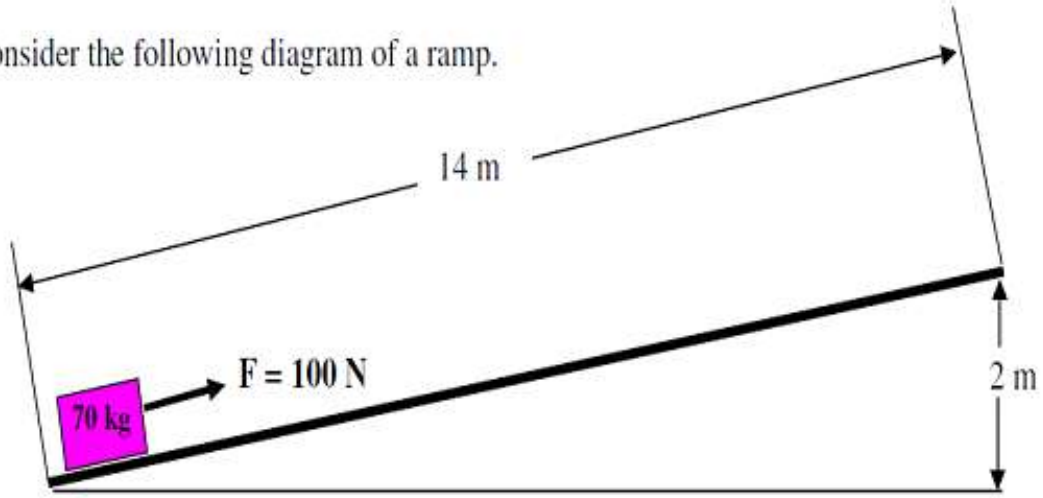
| | | |
|---|---|---|
| **Calculations** | ***Manipulates formulas.**<br><br>**Work= Force x Distance**<br><br>Billy used a block and tackle pulley system to lift a 250 N box of Christmas decorations to his attic on the second level. He pulled the effort rope 20 meters to lift the box 10 meters onto the shelf to store them. How much work did Billy do?<br><br>An applied force of 50N is used to accelerate a tray of food to the right across a frictional surface. The object encounters 10N of friction. What is the acceleration of the tray in the picture?<br><br>  <br> | **Work= Force x Distance**<br><br>A boy pushes a couch with a force of 20 N. The couch is pushed 15m. How much work has the boy done?<br><br>Use the diagram below to calculate for the net force and acceleration.<br><br>  <br><br><br>Net Force: _____<br>Acceleration: _____ |

# 8th Grade Core Class Placement

## Physical Science

On-level

Consider the following diagram of a ramp.




31. Calculate the work which would be done to push the box from the bottom to the top of the ramp.

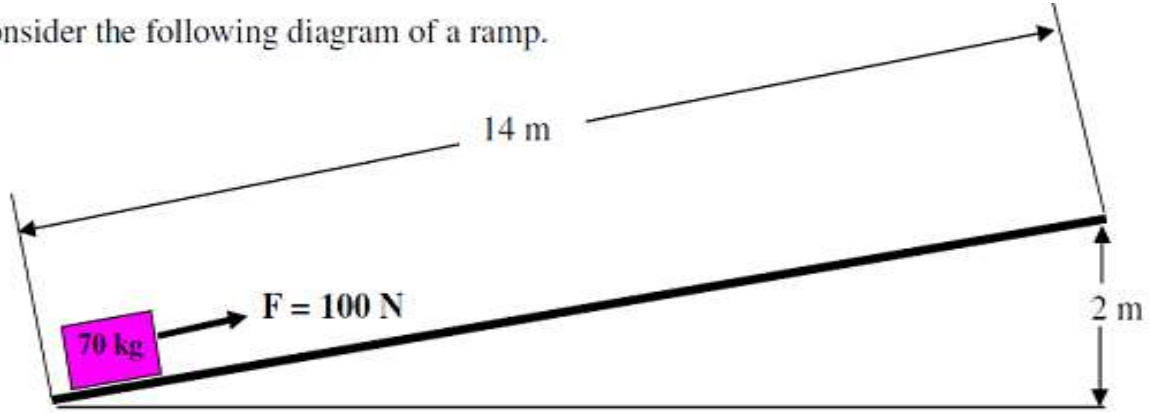
32. What is the mechanical advantage of using a ramp like this to move an object up instead of lifting it straight up? (Calculate!)

# 8th Grade Core Class Placement

## Physical Science

Advanced/Gifted

Consider the following diagram of a ramp.




33. Calculate the **force of gravity** on the 70 kg object. _____

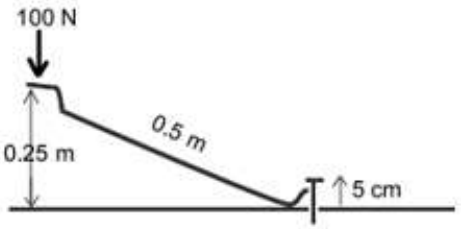
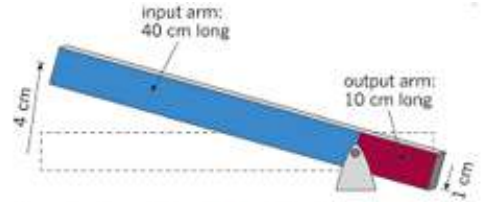
34. Calculate the work which would be done to raise the 70kg mass straight up a vertical distance of 2m. (That is, without using the ramp)

35. What is the mechanical advantage of using a ramp like this to move an object up instead of lifting it straight up? (Calculate!)

# 8th Grade Core Class Placement

## Physical Science

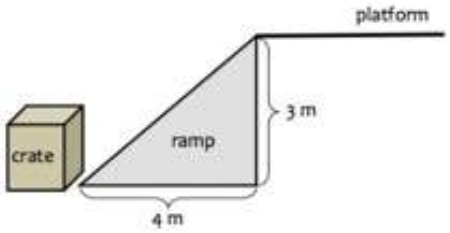
Advanced/Gifted vs. On-level

| | | |
|---|---|---|
| **Quiz Questions** |  <br>A prybar is a simple machine that acts as a lever, similar to a crowbar. It can do the job of quickly and easily removing nails, boards or other attached items. In the image, a force of 100 N pushes downward over an effort distance of 0.25 m. The imbedded nail is moved vertically upward a distance of 5 cm. The length of the prybar is 0.5 m. Determine the mechanical advantage of the simple machine (prybar) in this example. Convert units if necessary.<br>a. 0.5<br>b. 2<br>c. 5<br>d. 400 |  <br>A prybar is a simple machine that acts as a lever, similar to a crowbar. It can do the job of quickly and easily removing nails, boards or other attached items. Determine the mechanical advantage of the simple machine (prybar) in this example.<br>a. 0.5<br>b. 0.25<br>c. 4<br>d. 400 |

# 8th Grade Core Class Placement

## Physical Science

Advanced/Gifted vs. On-level

| | |
|---|---|
| **Constructive Response Questions on Quizzes and Tests** | 1. A bricklayer lifts a stack of bricks onto his shoulder, carries it across a room, and then lifts the bricks onto a ledge above his head. Explain if work is being done in **EACH** of these **THREE** situations.<br><br>2. Movers want to raise a heavy crate onto a platform. The platform is 3 meters (m) above the ground. The movers do not have enough force to push the crate up the ramp shown in the diagram. What could the movers do to achieve their goal?<br>  <br>3. Draw a REAL-LIFE example of a 2nd class lever and LABEL the 3 parts. |

# 8th Grade Core Class Placement

## Physical Science

## Chemistry Sample Questions

**The table lists the number of protons and neutrons contained in four different atoms.**

**Composition of Atoms**

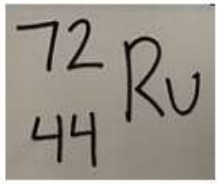
| | Number of Protons | Number of Neutrons |
|---|---|---|
| Atom 1 | 5 | 6 |
| Atom 2 | 6 | 6 |
| Atom 3 | 6 | 7 |
| Atom 4 | 7 | 7 |

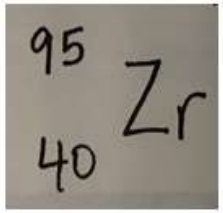
**Which two atoms are isotopes of the same element?**

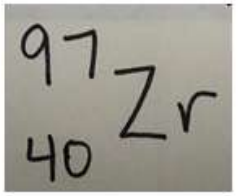
a. Atom 1 and Atom 2
b. Atom 1 and Atom 3
c. Atom 2 and Atom 3
d. Atom 3 and Atom 4

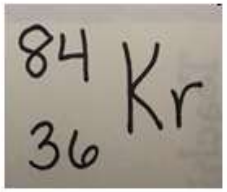
REVIEW: What is the missing product in the following nuclear fission reaction?

$$^{235}_{92}U + {}^{1}_{0}n \rightarrow \_\_\_ + {}^{137}_{52}Te + 2\,{}^{1}_{0}n$$

A. 


B. 


C. 


D. 

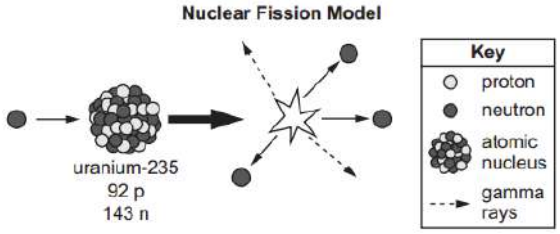
# 8th Grade Core Class Placement

## Physical Science

## Chemistry Sample Questions

**Multiple Response**

*Identify one or more choices that best complete the statement or answer the question.*




A student is modeling the fission of uranium nuclei. The student started the model as shown in the diagram.

Which **TWO** particles should the student add to the right-hand side of the model to complete the fission reaction?

a. krypton, 36 $p^+$, 53 $n^0$

b. strontium, 38 $p^+$, 56 $n^0$

c. helium, 2 $p^+$, 2 $n^0$

d. barium, 56 $p^+$, 88 $n^0$

e. plutonium, 94 $p^+$, 150 $n^0$

f. electrons, (2 $e^-$)

# 8th Grade Core Class Placement

## Chemistry Sample Questions

| | Melting Point | Solubility in water | Electric conductivity | Physical Properties |
|---|---|---|---|---|
| **1** | High | Yes | Conductor when dissolved | Brittle |
| **2** | Low | Only special cases | Insulator | Hard |
| **3** | Very high | No | Insulator | Very hard |
| **4** | High | No | Poor Conductor | Malleable and ductile |

The results of Ariana's experiment are shown in the table above. She did tests on four unknown compounds. Which compound is likely to be an ionic compound?

**A.** 2 because it has a low melting point and is hard

**B.** 1 because it has a high melting point and conducts electricty when dissolved.

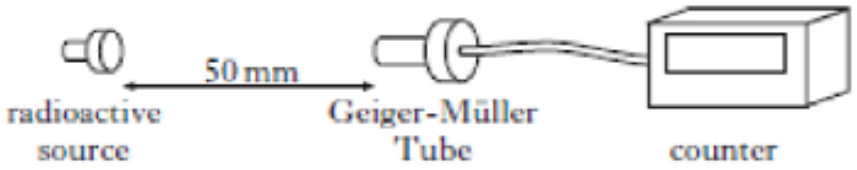
**C.** 4 because it has a high melting point and is a poor conductor

**D.** 3 because it has a high melting point and is not soluble in water

# 8th Grade Core Class Placement

## Advance/Gifted Question

A Physics student sets up the experiment shown below.



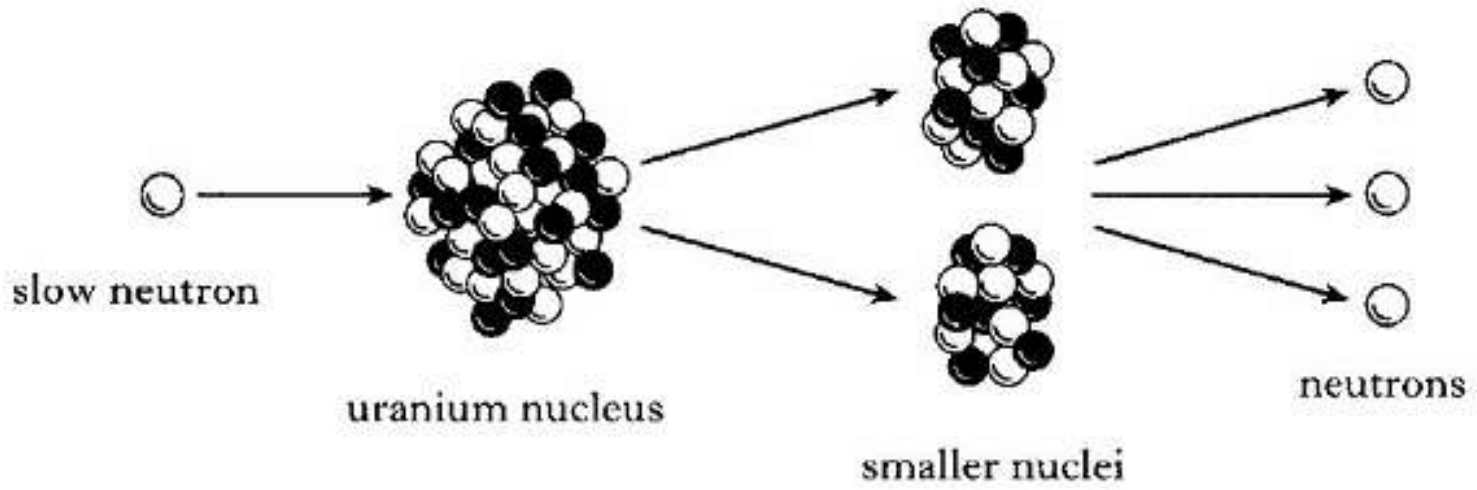

The student places a 3mm sheet of paper between the radioactive source and the Geiger-Muller Tube. Next she places an aluminum sheet between the radioactive source and the Geiger-Muller Tube. The activity of the radioactive source is observed to decrease.

PART A: What type of radiation is the source most likely emitting?

PART B: Justify your response from part A.

# 8th Grade Core Class Placement

## On Level Question




PART A: Name the reaction pictured.

PART B: How should the waste from this reaction be properly stored?

# 8th Grade Core Class Placement

## 8th Grade Science Option

- 8th science standards
- Not a high school credit
- Preparation for 9th physical science
- Take Milestone EOG
- Overall grade= average of 1st sem + 2nd sem

# 8th Grade Core Class Placement


**High School Science Options**

| | |
|---|---|
| 8th | Physical Science or 8th Grade Science |
| 9th | Biology or Honors Biology |
| 10-12th | Physical Science if not taken in 8th grade |
| | Chemistry |
| | AP Biology |
| | Honors Chemistry or AP Chemistry |
| | Physics or AP Physics |
| | Environmental Science AP Enviro Science |
| | Earth Science |
| | Astronomy |
| | Forensics |
| | Oceanography |

# 8th Grade Core Class Placement

## Math

- **8th Grade On Level**
  - 8th grade standards
  - Not a high school credit
  - Preparation for 9th Algebra I
  - Milestone EOG- not part of overall grade
- **Algebra 1**
  - Current 7th advance/gifted students
  - High school credit
  - 1st sem= 40% of overall grade
  - 2nd sem= 40% of overall grade
  - Milestone test (EOC)= 20% of overall grade

# 8th Grade Core Class Placement

## Math

- **8th Accelerated Math**
  - Current 7th accelerated students
  - High school credit
  - 1st sem= 40% of overall grade
  - 2nd sem= 40% of overall grade
  - Milestone test (EOC)= 20% of overall grade
  - Same Milestone EOC as Algebra 1.
  - Same Algebra 1 standards plus 1st semester of geometry (Geometry A)

# Math Course Numbers

| Standard (On Level) (Accl) | Advance Track 1 | Adv Track 2 |
|---|---|---|
| 8th- On Level Math | 8th – Algebra I | 8th Accl Math |
| 9th-Algebra I | 9th- Geo or Honors Geo | 9th- Geo B/Alg II |
| 10th- Geometry | 10th- Algebra II | 10th - Pre-calculus |
| 11th-Algebra II | 11th- Pre-calculus | 11th -AP Calculus |
| 12th- Adv Math Decision | alculus | 11th - AP Stats |
| 12th- Math of Finance | tatistics | 11th - Dual Enroll |
| 12th- Statistical Reasoning | Enroll | 12th- AP Calculus |
| 12th Pre-Calculus | | 12th - AP Stats |
| | | 12th Dual Enroll |

# Math Course Numbers

| 8th Math Course | Percentage of 8th Students |
|---|---|
| Accelerated | 16% |
| Algebra 1 | 33% |
| 8th On Level | 51% |

| 8th Science Course | Percentage of 8th Students |
|---|---|
| Adv/G Physical Science | 60% |
| On Level Physical Science | 33% |
| 8th Grade Science | 7% |

# High School Credit Classes

- High school courses and grades do show on high school transcript.
- High school credits earned in middle school **do not** calculate into a students high school GPA or class rank.
- Colleges may choose to recalculate a students GPA for admission purposes.

# Core Class Placement

- The Course Placement Verification letters are due April 18th. Return signed letter to the 1st period teacher.
- What is best for your student for this year while looking toward the future- academically, socially, and emotionally?
- The “Second Look” form is available until April 18th. It is located on VCMS Homepage- Latest News- Transition Information.
- Other valuable resourced include:
  - Forsyth County Schools homepage- search for Course Digest
  - Access any high school homepage and check spec courses or pathways.

# THANK YOU




COMMUNITY

LEAD • INSPIRE • INNOVATE • SERVE

VICKERY CREEK MIDDLE SCHOOL