

EXPLORATORY TASKS STUDENT SAMPLES

CLUSTER: Education

PATHWAY: Administration and Administration Support Pathway

People with careers in this pathway provide direction, leadership and day-to-day management of educational activities in schools, day care centers, colleges, businesses, correctional institutions, museums, job training and community service organizations.

EXPLORATORY TASK: One role of administrators is to evaluate and support teachers. They often do this by frequent walk-throughs to observe instruction in action. But what makes a great teacher? Create an evaluation checklist or rubric to use in a walk-through observation. How would you include these in your checklist or rubric?

- Content knowledge
- Content-related pedagogy (instructional practices and strategies)
- Relationship with students
- Use of assessment and resources

OBJECTIVE: Introduce students to one of the responsibilities of school administrators.

TEACHER SUPPORT:

- Collaborate with a school administrator or other school leader.

STUDENT SUPPORT:

- Provide links, examples, checklist and/or a template for students to use.

LEARNING EXTENSIONS:

- Invite a school principal or administrator to discuss their role leading and/or creating a successful school setting.
- Lead a discussion connecting school subjects and this pathway.
- Lead a discussion about personal qualities of a school administrator.
- Identify and research a career within this pathway.

CONNECTIONS TO KENTUCKY ACADEMIC STANDARDS

- Career Studies: ES.1.9, CI.2-8
- Reading and Writing: RI.6.4, C.6.2

NOTE:

- These samples represent students' first introduction to authentic topics and skills related to a career cluster.
- A range of student performance is included within the complete body of work.

What Makes a Good Teacher?

Student Relationship: Talks with students about their problems and jokes around

Always : _____ Never: _____ Sometimes:

Organization: Solve problems in the classroom, has a lesson plan, doesn't get too stressed

Always : _____ Never: _____ Sometimes:

Reward System: Reward kids when they are good in class. Validates students feelings.

Always : _____ Never: _____ Sometimes:

Grading System: Helps kids with their assignments, doesn't grade too harshly for silly mistakes

Always : _____ Never: _____ Sometimes:

Empathy: Communicates with students and helps them solve personal problems

Always : _____ Never: _____ Sometimes:

Problem Solving: If students ask for help she will help and walk them through the problem, and solve classroom problems

Always : _____ Never: _____ Sometimes:

1. Good teachers are engaging (being able to be involved)
 - Yes
 - Some
 - No
2. Good teachers value real-world learning (can teach you things that can be used in the real world)
 - Yes
 - some
 - no
3. Good teachers listen well
 - Yes
 - Some
 - No
4. Good teachers are adaptable (able to do something in different environments)
 - Yes
 - Some
 - no
5. Good teachers are patient
 - Yes
 - Some
 - No
6. Good Teachers Show Empathy (ability to understand the thoughts feelings or emotions of someone else)
 - Yes
 - Some
 - no
7. Good Teachers Are Strong Communicators
 - Yes
 - Some
 - no

What Makes a Good Teacher? Checklist Reagan Judd, Fergie Suarez Hernandez, Jamilet Perez School:

Organization Quality- Not too messy, knows what they are doing, clear lesson plans

Strong Most of the time Not usually

Relationship with Students- Can take a joke and have fun as well as be a good teacher

Strong Most of the time Not usually

Focused on students learning and not too much about grades/rules/etc- Finds a balance between caring a lot about their students and effectively teaching

Strong Most of the time Not usually

Patient, kind, understanding/empathetic- Can relate to the students and be kind in general, does not abuse their power

Strong Most of the time Not usually

Good listeners as well as teachers- You would be able to talk to them about something serious if needed

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interesting and engaging lesson plans- Understands that kids need to be engaged for them to be able to learn

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R _____ F _____ J _____

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EXPLORATORY TASKS STUDENT SAMPLES

CLUSTER: Education

PATHWAY: Professional Support Pathway

Professional support services represent a variety of highly specialized occupations that are critical to education. Counselors, psychologists, social workers and speech-language pathologists all work to meet the individual needs of students.

EXPLORATORY TASK: Your school counselor is worried that social media is causing anxiety, depression and bullying among students at your school. She is encouraging students to submit ideas to draw awareness to this issue. Create a short (5-15 minute) counseling lesson or a resource to share with students. Consider these questions:

- What is the impact of social media?
- How much time on social media is too much?
- How can you use social media responsibly?

OBJECTIVE: Introduce students to the role a school counselor plays in supporting positive social and mental health behaviors.

TEACHER SUPPORT:

- Collaborate with a school counselor or administrator.

STUDENT SUPPORT:

- Provide links, examples, checklist and/or a template for students to use.

LEARNING EXTENSIONS:

- Invite a school counselor or administrator to discuss their role in the school setting.
- Lead a discussion connecting school subjects and this pathway.
- Lead a discussion about personal qualities of a school counselor or administrator.
- Identify and research a career within this pathway.

CONNECTIONS TO KENTUCKY ACADEMIC STANDARDS

- Career Studies: ES.1.9, CI.2-8
- Reading and Writing: RI.6.4, C.6.2
- Health Education: 6.2.2

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Education & Training Career Cluster Mini-Project

By B M E O S C C

What is the impact of social media

What is the impact of social media
 The Impact of social media in a Student's mental and physical health is impactful and worrying this is because it can cause more insecurities and less value in one self plus social media was found to cause mood swings which can affect students grades and social life. And social media can cause jealousy and greed from seeing others' success which can cause students to make unsafe and unwished decisions and reasoning which can affect them at home and school. There are many studies supporting this claim an article from McLean Hospital "The Social Dilemma: Social Media and Your Mental Health" states "Social media use can affect users' physical health even more directly. Researchers know the connection between the mind and the gut can turn anxiety and depression into nausea, headaches, muscle tension, and tremors". This is how social media is impacting students' mental and physical health. By B

How much time on social media is too Much?

How much time on social media is too Much?
 It's common to hear that a hour of using social media is enough but it can really be 30 min of social media is enough because students who spent more than three hours a day using social media might be at heightened risk for mental health problems this excess use of social media can cause side effects such as leading to a social media addiction and this much use can also affects how people view themselves and their mood throughout the day. There are many studies supporting this claim an article posted from the Kentucky Kernel called "How much social media is a healthy Amount" states "Experts have recommended 30 minutes or less per day as the maximum time you should spend on social media. According to a 2018 study published in the Journal of Social and Clinical Psychology, limiting use to 30 minutes a day can lead to better health outcomes." So yes 30 minutes a day is better than an hour of social media.
 By S

How can you use social media responsibly

Many people ask who to use social media responsible well you can keep sensitive information such as your profile, you're location, phone number, email, age, and work and school things like thing can be used to find locate you. There are more thing to do to be safe frist don't post anything hateful to a group or invale and Avoid posting unprofessional photos posting this can affect your life like losing your job or not being able to get a new job because they don't what to heir you and the most important don't post anything that you won't say in real life and Think twice before posting in an emotional state.
 By O

How to break a social media addiction

Social media addiction mesn't not sound bad but this addiction is like any other addictions if unchecked it can highly affect students life and social life or even health by affects how people view themselves and their mood and starting identity disorders but it can beat by taking action by turn off notifications on your phone to constacted and not having your phone by you when you sleep or remove your phone from your morning routine and lastly Place less weight on your personal social media appearance this process will take a lot of time so it's recommended that it's best to commit to your routine and try not to break it. This claim is supported by a article from CURE "How to beat your social media addiction, according to a therapist" which states "but, it's best to commit to your routine and try not to break it (even if it's just "no social media after 9 pm.") for at least three to four weeks, according to James. "From a behavioral point of view, doing something for three weeks or at least 21 days will allow you to form a new habit".
 By B M O S O

#1 - Learning target

How does social media have an effect on students' health?
 By everyone

#2 - Strategy

We can engage students in this lesson by adding music to motivation students and this music will be used to pair up two students for the independent project together by playing music and a sort of musical chairs
 -Physical Movement
 -Pacing and Transitions
 By Everyone

#3 - Lesson activities

The lesson activities will be independent work that will be done with their teammate and then there will be a fun game on the computer that will be done independent and the final activity will make the students make a fake social media account than their teammate will have to see if it's safe and then after rating the safety of the account one of then teammates will roll a dice to see how much time their fake account use social media
 By O .B

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Negative Effects of Social Media

1

Negative Effects by Charlene Ngog

- You can be cyberbullied
- Bad people can talk to you and take advantage of you
- Bad influence
- Too much time online
- Insecurities can develop
- Toxicity



3

How To Avoid It by Guilain Kashira

Some ways you can avoid social media are doing other things to distract yourself like play board games, read a book, or go outside. You could also delete the apps so you don't use them. You could also take a break from the internet all together.



5

What To Expect

Learning Target - Teach kids that social media has lots of negative effects and get them to reduce their usage on it.

Strategy - Show them what might happen if they keep using it and show them positive alternatives.

Lesson Activities - Slideshow

Resources and Materials - Online resources and more

Assessment - Ask them how to improve their life w/o social media

2

Why It's Bad For You by Corinne Yelowitz

Social Media can be bad for you because it can kill your confidence. It can also absorb you and become addicting, which can distract you from more important things like family, school, sleep, and more. It can take over and have very negative effects on your mental health, causing things like depression, anxiety, and more.



4

Assesment

Come up with two alternatives to social media. Write them down and share them with others.



6

Education 2 Final

E [REDACTED], A [REDACTED], H [REDACTED]



(1)The impact of social media on students is students spend all of their time on social media and never take their eyes off of their phones

- What is the impact of social media on students?
- How much time on social media is too much for students?
- How can students use social media responsibly?

1. Social media can impact students life since social media is basically filled with toxic stuff such as posting hatred towards each other.
15 hours on social media can be too much for students because they can get addicted to being on social media.

(3) Students can responsibly use social media by knowing when to quit and not getting involved into drama and stupid things

EXPLORATORY TASKS STUDENT SAMPLES

CLUSTER: Education

PATHWAY: Teaching and Training Pathway

Teachers and training specialists are experts in their subject. They must have the ability to communicate, motivate learners and understand the educational and emotional needs of their students. Teachers also must be able to offer different teaching/training methods to meet the diverse needs of individual learners

EXPLORATORY TASK: What is your favorite subject? Share your knowledge by creating a 15-20-minute lesson plan for elementary students. Include these in your plan:

- Grade level and subject
- Learning target or what students will learn from the lesson
- Essential question or strategy to engage students in the lesson
- Lesson activities, e.g., modeling, guided or independent practice
- Resources or materials
- Assessment or how you will know if students met the learning target

OBJECTIVE: Provide an opportunity for students to experience planning and delivering a lesson for younger students.

TEACHER SUPPORT:

- Collaborate with an elementary teacher.

STUDENT SUPPORT:

- Provide links, examples, checklist and/or a template for students to use.

LEARNING EXTENSIONS:

- Invite an elementary teacher to explain how developmental characteristics of elementary students influence lesson planning.
- Lead a discussion connecting school subjects and this pathway.
- Lead a discussion about personal qualities of an elementary teacher..
- Identify and research a career within this pathway.

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S

TEACHING/TRAINING PATHWAY

Learning intention:

I am learning to count to 60

Activities:

Math Domino Puzzles, Uno cards to compare numbers, and Make 10. We will have station's and they will rotate after they have done the activity

How will you know if they learn mathematics?

Addition and subtraction pop quiz or they could do a project.

First-graders learn mathematics on many fronts, including computation, numbers and number sense, measurement, patterns, shapes, money, and telling time.

They will be able to count, identify and write numbers. And Perform one-digit addition and subtraction.

What you will need for each activity

For uno cards comparing numbers we will need: Uno cards

For dominos puzzle you will need: Dominos

To make 10 you will need: paper, pencil, sticky notes.

F
3
S
A

Kindergarten reading

Objective:

"We would like them to read the book "Clifford's abc's".

Activities:

Color the pictures in the book, and have them sound out the different sound's the letter's make so when they read they read they will be familiar with the sound's

Exit slip:

They will popcorn read the Clifford book. Find then we will have them each read a sentence from the book to make sure they understand all the different

sound's letter's make. We will know how they can read when they can read a book without help. We will pair them up with partner's and let them read a book together

Resources and materials

- Markers and crayons
- Clifford's abc's book
- letter sounds coloring page

Strategy

We can show them a video on why it is important to know how to read, then we will ask them why reading is important. next We can play benning sound spinning games and give them a sound chart to color.

Then we can put them in the circle and they can tell us what they know about the story

J
N
and E

Teaching #3

Learning Target:

- I can multiply 2-digit by 1-digit numbers

Success Criteria:

- I can learn more about this subject
- I can complete my work
- I can do my exit ticket
- I will be able to do this on my own at the end of this lesson

Before we start

We have a Pre-Test this will NOT be graded it's ok if you don't know anything just try your best you don't have to know anything I just need to see what you know.

Stand up, Pair up

- You will find a partner
- You will share what you think multiplying is about
- You have 1 minute to pair and share

Groups

- This quarter of you will do independent work
- This quarter will do MISSING WORK
- The quarter of you will be in a group with the teacher
- This quarter will do game group

Directions

For the teachers group we will play "multiplication roll" you will roll the dice once and write it down and roll it again then multiply those two numbers.

For game group you will have to complete a series of questions we will be switching the timer lapse will be playing and we will see which group will finish faster and the group will get candy

- For independent work you are to have your Chromebook ONLY working on your independent work.

- For missing work you should know what you have to work on so do the work you have either on your chromebook or on paper

- For the teachers table you will have a dice and a piece of paper and a pencil.

- For Game group you will have a piece of blank paper with no lines and a pencil.

Multiplication and Division

By: Ashley and Hannah

MULTIPLICATION TABLES

1-10 Times Tables Chart

1x	2x	3x	4x	5x	6x	7x	8x	9x	10x
1	2	3	4	5	6	7	8	9	10
2	4	6	8	10	12	14	16	18	20
3	6	9	12	15	18	21	24	27	30
4	8	12	16	20	24	28	32	36	40
5	10	15	20	25	30	35	40	45	50
6	12	18	24	30	36	42	48	54	60
7	14	21	28	35	42	49	56	63	70
8	16	24	32	40	48	56	64	72	80
9	18	27	36	45	54	63	72	81	90
10	20	30	40	50	60	70	80	90	100

WHAT IS MULTIPLICATION AND DIVISION?

Multiplication is repeated addition. $2+2+2+2=2 \times 4$. This applies to most numbers, not 0,1, and negative. Division is repeated subtraction. $8-2-2-2$ is 0, and you have to subtract 2, 4 times to get 0, so $8/2=4$.

DIVISION FACT FAMILIES

Division Facts Families to 10

From 1-10

EXAMPLES

Fact Family: $18 \div 3 = 6$, $3 \times 6 = 18$

Fact Family: $30 \div 5 = 6$, $5 \times 6 = 30$

Fact Family: $24 \div 4 = 6$, $4 \times 6 = 24$

Fact Family: $36 \div 6 = 6$, $6 \times 6 = 36$

TRY IT PROBLEMS

$15 \div 3$

$27 \div 9$

$49 \div 7$

ANSWERS

$15 \div 3 = 5$

$27 \div 9 = 3$

$49 \div 7 = 7$

Extension Task

You are working at a summer camp run by the local parks and recreation. The camp will host 15 children in each of three different age groups, preschool, kindergarten and primary. To ensure a safe and fun experience by all, you need to create a daily schedule. Camp hours are 8 a.m.-4 p.m. Be sure to include these activities in your schedule:

- Morning meeting outlining the day's activities
- Meals – breakfast, lunch, morning and evening snack o Pool or outside play
- Creative play – arts and crafts, Legos, blocks, dress-up, etc.
- Academic connection – reading, writing, math activity

Summer Camp daily schedule

Kids arrive at 8:00 am

8:00 am - 8:10 am : morning meeting

8:10 am - 8:40 am : preschool breakfast/1st grade (primary) outside play/Kindergarten creative play

8:40 am - 9:20 am : Kindergarten breakfast/preschool outside play/1st grade creative play

9:20 - 9:50 am : 1st grade (primary) breakfast/Kindergarten outside play/Preschool creative play

9:50 am - 11:12 am : Academic connection rotation 1 - primary math, preschool reading, Kindergarten writing

11:12 - 11:40 : Lunch for all grade levels

11:40 - 12:50 : Academic Connection rotation 2 - Preschool writing, Kindergarten math, Primary reading

12:50 - 1:30 - Pool or outside play

1:30 - 2:40 - Academic Connection rotation 3 - preschool math, Kindergarten reading, primary writing

2:40 - 3:10 - naptime

3:10 - 3:50 - Creative play for all grade levels

3:50 - 4:00 - evening snack and talking time

Kids leave at 4:00 pm

Is a Career in Education & Training for Me?

Would you be interested in a career in Education & Training? Below are knowledge and skill statements related to the careers in this cluster. Read each statement. Decide if this describes you by checking the Yes, No or Maybe box.

THINGS I LIKE TO DO	YES	NO	MAYBE
Communicate with different types of people	<input checked="" type="checkbox"/>		
Help others with their homework or to learn new things	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Go to school		<input checked="" type="checkbox"/>	
Direct and plan activities for others		<input checked="" type="checkbox"/>	
Handle several responsibilities at once	<input checked="" type="checkbox"/>		
Acquire new information	<input checked="" type="checkbox"/>		
Help people overcome their challenges	<input checked="" type="checkbox"/>		
PERSONAL QUALITIES THAT DESCRIBE ME	YES	NO	MAYBE
Friendly	<input checked="" type="checkbox"/>		
Decision maker	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Helpful			<input checked="" type="checkbox"/>
Innovative and inquisitive			<input checked="" type="checkbox"/>
Good listener		<input checked="" type="checkbox"/>	
SCHOOL SUBJECTS THAT INTEREST ME	YES	NO	MAYBE
Language arts	<input checked="" type="checkbox"/>		
Social studies	<input checked="" type="checkbox"/>		
Math	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Science			

Did you check YES most often? If so, continue to explore careers and opportunities in this cluster. And don't forget to continue to build the academic skills you need for these careers.

Did you check NO most often? If so, don't worry. There are hundreds of jobs to explore in the other 15 career clusters.

Did you check MAYBE most often? If so, continue to explore in this cluster as well as investigating how your skills and interests may be a good match in other clusters.

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