21ST CENTURY TEACHERS AND EDUCATORS

"With great teachers, come great schools."

We must prepare students for their future, Not for our past.

รศ. ดร. วิโรจน์ สารรัตนะ หลักสูตรศึกษาศาสตรดุษฎีบัณฑิต สาขาวิชาการบริหารการศึกษา มหาวิทยาลัยมหามกุฎราชวิทยาลัย วิทยาเขตอีสาน

จุดมุ่งหมาย

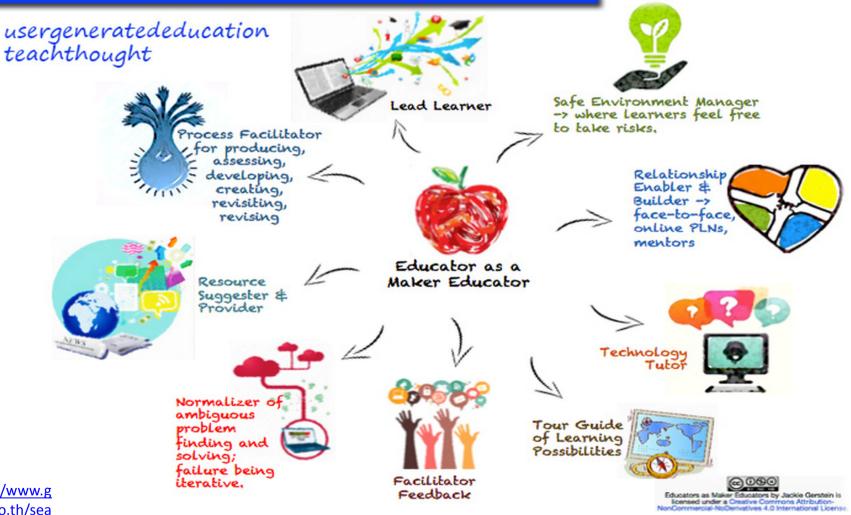
- สำรวจนานาทัศนะเกี่ยวกับบทบาท คุณลักษณะ หรือทักษะ สำหรับครูและ นักการศึกษาในศตวรรษที่ 21 เพื่อการรับรู้ ทำความเข้าใจ วิเคราะห์ และ สังเคราะห์ เป็นแบบแผนความคิดของแต่ละรายและบูรณาการเป็นของทั้ง กลุ่ม
- ชี้ ประเด็นความแตกต่างระหว่างครูและนักการศึกษาในศตวรรษที่20 และ ศตวรรษที่ 21
- วิพากษ์ถึงจุดเด่นและจุดด้อยของครูและนักการศึกษาไทยในปัจจุบัน และ ข้อเสนอแนะเพื่อการพัฒนา
- ชี้ ประเด็นเพื่อเป็นพันธะสู่การปฏิบัติในส่วนที่เกี่ยวข้องของตนเอง
- ชี้ ประเด็นเพื่อการศึกษาเพิ่มเติมและการวิจัย
- •



△ chartered education



9 Roles For The Teacher That Leads



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ROLE OF A TEACHER IN 21ST CENTURY

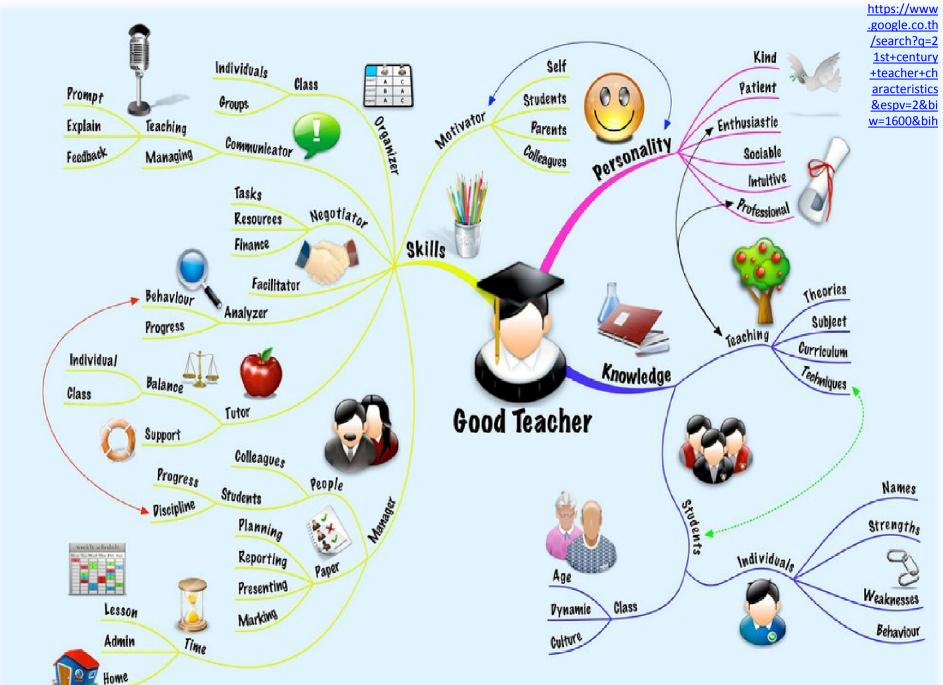
- A Creative Person
- ✓ Good Communicator
- ✓ Innovator
- ✓ Planned Organiser
- ✓ User of Technology
- ✓ Agent of Progressive Social Change
- ✓ Good Co-ordinator

25 Signs You're Teaching In 2015

- You think of clouds as good things.
- You believe tagging is the new email.
- The blogosphere is more relevant a term than the stratosphere.
- You spent more this year on iPad peripherals than you have pencils and pens.
- You giggle when you recall how you used to simply give tests at the end of a unit.
- You google before you even try to remember.
- You begged your school accountant for an iTunes card instead of your annual classroom fund.
- Have actually used the phrase "digital citizenship" in a sentence with a straight face.
- You're in bad shape if the internet goes down during a lesson.
- YouTube makes more sense than television.
- You forgot what chalk does to your skin.
- Flipping the classroom is an instructional strategy rather than a response to misbehavior.

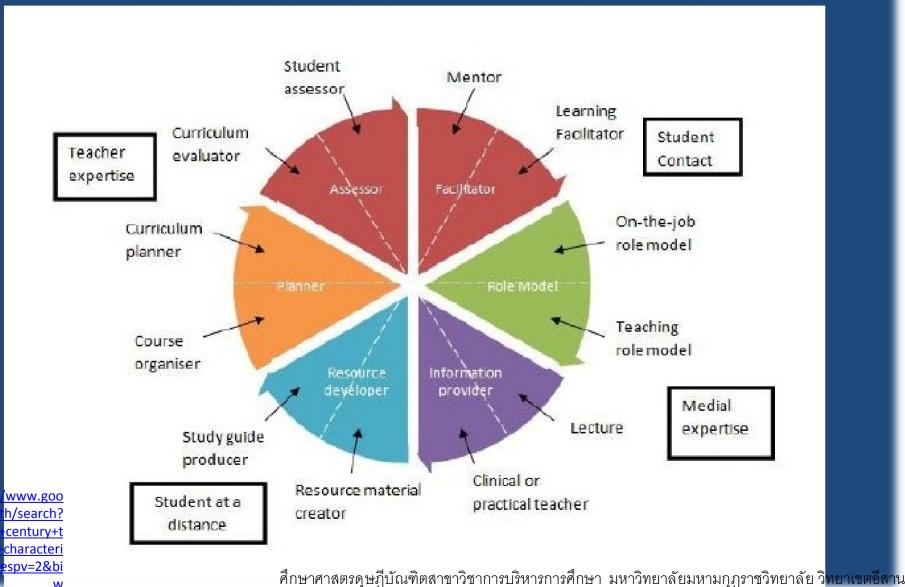
25 Signs You're Teaching In 2015

You're sure Vine is rotting your middle schooler's brain.
Your district has a more transparent facebook policy than they do on assessment or curriculum mapping.
You're scared to explain your blended, student-centered, mobile-centric classroom to parents, so you don't
mention any of it on the syllabus.
You've "crowdsourced" something-school supplies, for example.
You trade rooms with another teacher for a better Wi-Fi signal—and don't tell them why.
You've texted during class, but have taken a student's phone for doing the same.
You plan lessons assuming that every student has Wi-Fi broadband access 24 hours a day, 7 days a week.
Students blame passwords and log-in issues rather than the dog for eating their homework.
Your students have to explain certain technologies to you, but you pretend you already knew.
You seriously consider that if it's not being talked about on twitter, it may not have happened.
You've spoken more recently with the tech leader in Mumbai than the new 10th grade Math teacher down
the hall.
You'd never admit it, but you judge other people by the tech they carry.
You're energized—and absolutely fatigued—by the rate of change in your craft as an educator early in the
21st century.



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Defining Teachers' Role



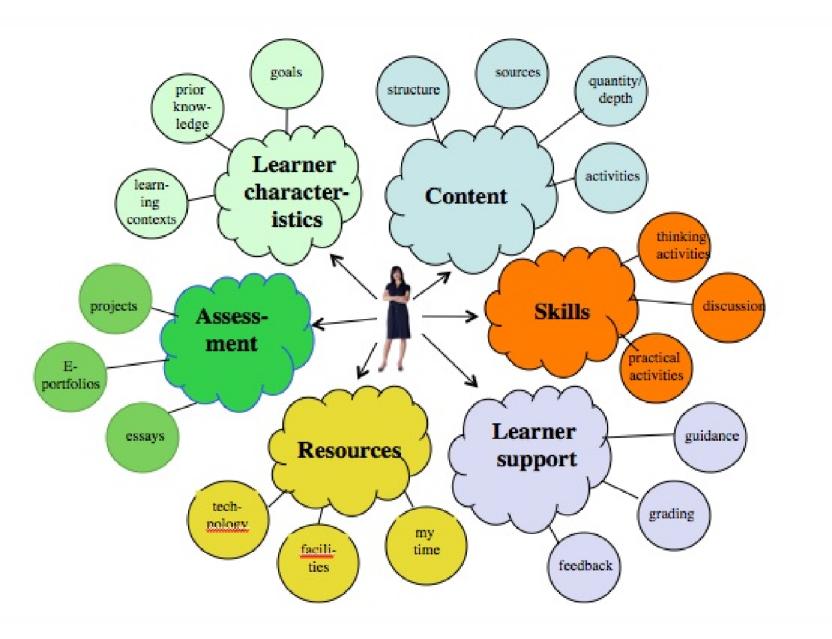
as a teacher...



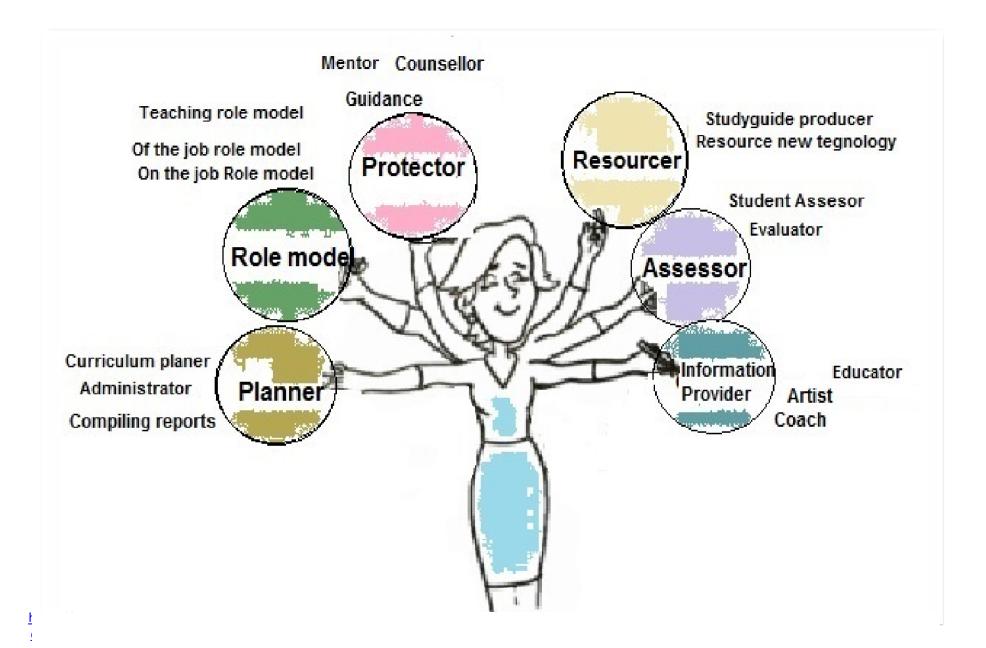
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If you're a teacher. vou're also a:

life coach motivator discovery guide trip coordinator Negotiator cheerleader Rule enforcer ទីដូទី 🍯 🎁 🔭 role model organizer reality checker fund raiser nose wiper it specialist counselor handwriting expert dream instiller mediator truth detector entertainer trainer event planner scheduler decorator

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designs the environment designs the global project designs flexible tasks designs exchange activities



Teacher as monitor

makes audits reads blogs controls project plans evaluates



gives feedback answers questions writes tutorials provides examples provides links

Projects

ĻScenario 1

Goals and questions stage 1 stage 2 stage 3 ... output: objectives+ research questions

discussion at class level

Scenario 2

R & D plans stage 1 stage 2 stage 3 output: plan v.1

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21 THINGS EVERY 21ST CENTURY TEACHER SHOULD DO THIS YEAR POST A QUESTION OF THE WEEK PARTICIPATE IN A TWITTER CHAT ON YOUR CLASS BLOG TWEET ABOUT TODAY'S LEARNING ON YOUR BRING AUGMENTED REALITY CLASS TWITTER ACCOUNT INTO YOUR CLASSROOM MAKE A PARODY OF A HIT SONG CREATE AN IFTTT RECIPE TO MAKE YOUR LIFE EASIER i 19 CREATE AN INFOGRAPHIC AS A REVIEW CREATE A CLASS INSTAGRAM ACCOUNT GO PAPERLESS FOR A WEEK PERFORM IN A LIPDUB VIDEO mm) HAVE A "NO TECH DAY" JUST FOR NOSTALGIA'S SAKE MAKE A CLASS BOOK # CREATE YOUR OWN CLASS HASHTAG PRODUCE A CLASS AUDIO PODCAST USE LISTLY TO ENCOURAGE DEMOCRACY IN YOUR CLASSROOM GOOGLE HANGOUT WITH AN EXPERT INTEGRATE SELFIES INTO YOUR CURRICULUM LET YOUR STUDENTS DRIVE THE LEARNING P CURATE A CLASS PINTEREST ACCOUNT BECOME AN ACTIVIST FOR A WORTHY CAUSE APPSMASH SOMETHING BASED ON A BLOG POST BY CARL HOOKER AT HOOKEDONINNOVATION.COM

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20 things every teacher should do

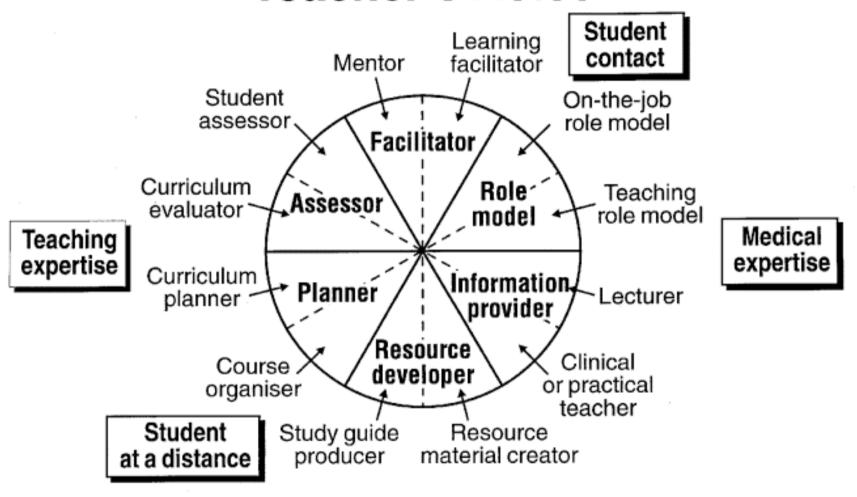
Listen to their students more than they talk.	Try and understand what their students are thinking when they make a mistake.
Gather evidence every day on what every one of their students understands from the day's lesson.	Plan lessons with clear, achievable goals that build toward longer-term goals.
Learn something new every day.	Experiment to see what helps their students learn best.
Become an expert on the different ways of understanding each topic they teach.	Learn how the subject or year they teach is connected to other subjects or years.
Follow the schedule of one of their students for the entire day.	Take notes and reflect on their teaching and their students' learning.
Use a variety of modalities with all of their students so they experience the subject area in different ways.	Ask questions that prompt thinking from all of their students.
Establish and maintain norms and routines in their classroom.	Read research on teaching and learning on a regular basis.
Give feedback to students that is clear, actionable, timely, consistent, and goal-oriented.	Separate feedback from grading.
Collaborate with other teachers to study and improve their practice.	Share what works with other teachers and why they know it works.
Become an expert in the ways students typically understand and misunderstand in their subject area or grade level.	Believe that all of their students can achieve success.

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Teacher's Roles



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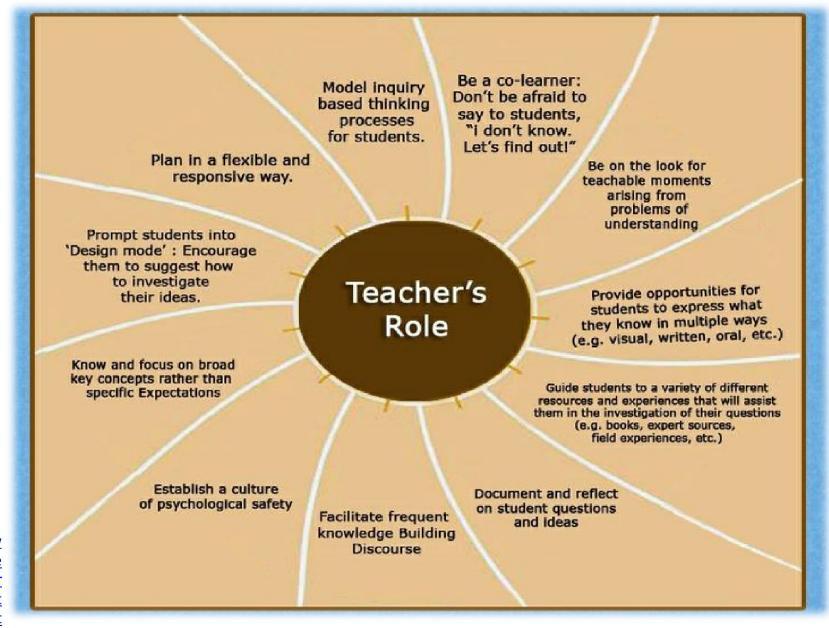
What are the 'minds' required of an effective 21st Century Educator?

- Disciplined (for 'depth')
- 2. Synthesising (for 'breadth') and
- **3. Creative** (to 'stretch' everything)

...along with:

- 4. Respectful and
- 5. Ethical

Howard Gardner - Five Minds for the Future



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A GOOD TEACHER

is kind is generous listens to you encourages you has faith in you has time for you keeps confidences likes teaching children helps you like their subject takes time to explain things helps you when you are stuck tells you how you are doing allows you to have your say makes sure you understand helps people who are slow doesn't give up on you cares for your opinion makes you feel clever treates people equally stands up for you tells the truth is forgiving



I'M SO MUCH MORE THAN JUST A...

TEACHER

I am a counselor and psychologist to a problem-filled child,

I am a police officer that controls a child gone wild.

I am a travel agent scheduling our trips for the year,

I am a confidante that wipes a crying child's tear.

I am a banker collecting money for a ton of different things,

I am a librarian showing adventures that a storybook brings.

I am a custodian that has to clean certain little messes,

I am a psychic that learns to know all that everybody only quesses.

I am a photographer keeping pictures of a child's yearly growth,

When mother and father are gone for the day, I become both.

I am a doctor that detects when a child is feeling sick,

I am a politician that must know the laws and recognize a trick.

I am a party planner for holidays to celebrate with all.

I am a decorator of a room, filling every wall.

I am a news reporter updating on our nation's current events,

I am a detective solving small mysteries and ending all suspense.

I am a clown and comedian that makes the children laugh, I am a dietitian assuring they have lunch or from mine I give them half.

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When we seem to stray from values, I become a preacher,
But I'm proud to have to be these people because ...
I'm proud to say, "I am a teacher."

-by Stacy Bonino

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Top 10 Signs That You Are a Great Teacher

- 1. You see each child as a child, and not a diagnosis.
- You see your class as individuals, not as a drawer full of case files.
- 3. You keep your sense of humor against all odds.
- 4. You deal with upset kids, clueless administrators, and pushy parents with grace and dignity.
- 5. You're not afraid to be flexible and creative.
- You know when to make a stand and when to choose your battles.
- 7. You see parents as allies, not enemies.
- You never give anybody any doubts as to why you went into teaching.
- 9. You love your job, and it shows.
- 10. Your students love you, too.

https://www.google.c o.th/search?q=conce ptual%3B+framework Use a #Hashtag

Choose the right medium.

Blog.

Setup an RSS feed.

TeachThought.com

36 Things

Every 21st Century Teacher Should Be Able To Do

Send large files.

Model digital citizenship.

Visualize learning data for students.

Use Game-Based learning.

http://ww w.teachtho

Know your meme.

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-things-

every-21stcentury-t Create digital portfolios.

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Select the right platform to communicate.

Whether you choose a text message, email, social media message, Skype session, or a Google+ Hangouts depends on who you need to communicate with and why—purpose and audience. So whether you're sending an email to a parent when a phone call is necessary, or responding in a closed Google+ circle, choosing the right platform is everything.

Send large files.

Email won't always work. You can use <u>Evernote</u> or <u>dropbox</u>; yousendit or <u>SugarSync</u>; OneDrive or Google Drive; a blog or a YouTube channel. Whatever you're sending, a teacher in 2013 should be able to get it there quickly, and with minimal hassle from the recipient.

Take a screenshot on PC, Mac, and mobile devices.

Hit the *Print Screen* button near your number pad on a keyboard on Windows. Push down volume rocker and power buttons simultaneously on iOS and Android devices. Command-Shift-3 on Mac OSX.

Appreciate memes.

Know what it means to be Rick Roll'd, the difference between a fail and an epic fail, why Steve is a scumbag, and whosad Keannu is. (Actually, these references are already dated.) You may not care, but your students do. Even if you choose not to speak their language and instead prefer the king's tongue, you can at least understand what they're saying, lol.

Explain how and why to use technology to those who don't use it.

Not everyone loves technology. Not only is it not necessary for learning, it's not even the most important part of learning (how did Socrates every get along without twitter?) That being said, it can indeed transform learning given the right instructional design and learning model. Communicating this to others that may not use it is increasingly important as a network building strategy and as a tool to be used locally to change culture. An RT as an olive branch.

Use digital media in light of privacy, copyright, and other legal issues.

Terms of Use, copyrights, spam, phishing, age requirements—the whole ever-evolving and hopelessly complex shebang. You may never master this, but don't teach in the dark.

Communicate clearly.

Tone is lost when you type. Know this and pre-emptively address is with clarity, choosing the right platform to communicate, and even smiley faces if you have to.

Search for, install, organize, use, and delete apps.

This is dead-simple, but you never know.

How to create, open, use, and share a variety of filetypes.

What are the benefits of a <u>PDF over a .doc file</u>? When should you send a .wav file and when you should send an .mp3? How about a .jpg versus a png?

Help students share files.

Students need help "turning in" digital work. Digital portfolios help, as can blogs and social media platforms. Learning management systems can too. Whatever you use, help them figure it out.

• Subscribe to and manage YouTube channels, podcasts, learnist and pinterest boards, and other dynamic sources of digital media.

Self explanatory, yes?

Create and maintain digital portfolios.

Of your own work, and for your students. The tools, habits, and strategies to do it well are accessible to anyone in the 21st century. You know, especially if you follow any blogs that cover this kind of thing.

Blog.

That doesn't mean you have to blog, but blogging is the among the <u>best ways for students</u> to survey, combine, and share digital media. You may not have the energy—or desire—to blog, but to effectively teach your students, you should know the basics.

Share learning data with students.

Sharing is easy. Sharing visual and digestible data not so much. More on this one below on #34.

Support students in managing their online "brand."

And this starts with what you model—your visible social media profiles, Google search results for your name. That means a professional image, and no cliché quote from Gandhi in 24 point yellow font.

Manage your own social media and internet use.

It's a tool, not an end. Self-manage accordingly.

Plan around a lack of technology elegantly.

Not all students have access. Do all that you can to give students that lack it a similar experience.

Delineate the difference between academics and entrepreneurial learning for students.

And in a way that doesn't completely undercut academic learning, but rather contextualizes it.

Troubleshoot stuff that breaks.

Be MacGyver with a keyboard. If the Wi-Fi signal drops, the app freezes, or the password just won't take, have a plan.

Skim and process large quantities of information.

Otherwise you'll drown in the very thinking and resource stream you're trying to benefit from. A powerful combination to use here? An RSS reader like Google Reader connected to <u>Pocket.</u>

Use the cloud to your advantage.

Offline access. Automatic syncing. Push notifications on apps. Writing and composition. Use the cloud.

Model digital citizenship.

To model it, we have to agree on <u>what it means</u>. We'll talk more about this one soon, but for now, <u>these resources</u> should help.

Casually name-drop reddit.

Reddit is a downright cultish community of active and intelligent forum users that are addicted to socializing everything. And it's awesome. If you don't use it, try to mention it here and there as if you do (#streetcred), and when students ask just smile and nod your head a lot.

Support students in finding their own voice.

It's not as simple as "band, books, or cheerleading" anymore. With visibility comes nuance. Now we have facebook groups of cheerleaders who are left-handed and prefer Fiji water over Dasani 50,000 members strong. Luckily, technology can step in and help—drawing, music, acting, writing, a charismatic YouTube channel; it's now unnecessary for any student to be anonymous and isolated.

Use formal or informal learning management systems.

Whether you use a formal LMS, or just setup <u>a Google+ Circle</u> or community, either can help frame your curriculum for students and parents.

Leverage the relationship between physical and digital media.

What is the relationship between the app, the YouTube channel, the podcast, the play, and the poem? This is something you need to figure out—especially the English-Language Arts/Literature teachers among you.

Highlight the limits of technology.

If we don't understand both the micro and macro impact of technology—the good and the bad—we're doomed as a species to be completely overran by it. Sounds dramatic, but it just might be true.

Connect students with communities using <u>project-based learning</u>.

This can be one of the most powerful things you do, as it moves the learning from sterile classrooms to authentic audiences.

Model the value of questions over answers.

This shift changes the whole tone of the learning process.

Understand how play leads to learning.

<u>Play is not a whimsical recreation</u>, but a zen-like cognitive resonance that rips learning out of the hands of well-meaning adults and seeks to self-direct children by allowing them to experiment, fail, and try again.

Use Game-Based Learning effectively.

That doesn't mean to just <u>play video games</u>, or make students play them then ask them awkward questions about their experience, but to understand <u>how video games support</u> both academic and authentic learning.

Curate functionally.

What to save and how to save it? Great questions. And what kind of process do you have to keep from hoarding digital resources and actually use all the crap you save? An even better one.

Record, process, mash, publish, and distribute digital media.

Digital media is likely the future of learning. So, begin the transition.

Visualize learning data for students.

This is different than just sharing an alphanumeric digit—this is about knowledge, progress, and the right data and the right time that is packaged in a highly-digestible way.

Connect with other educators both in person and online.

Don't be a twitter diva; don't be a Luddite. Find a blend.

Personalize learning.

To genuinely personalize learning for all of your students in a typical K-20 public school or university is impossible given the current circumstances (unless we have different definitions of personalized learning), and that's why this is last.

Bonus

Research effectively.

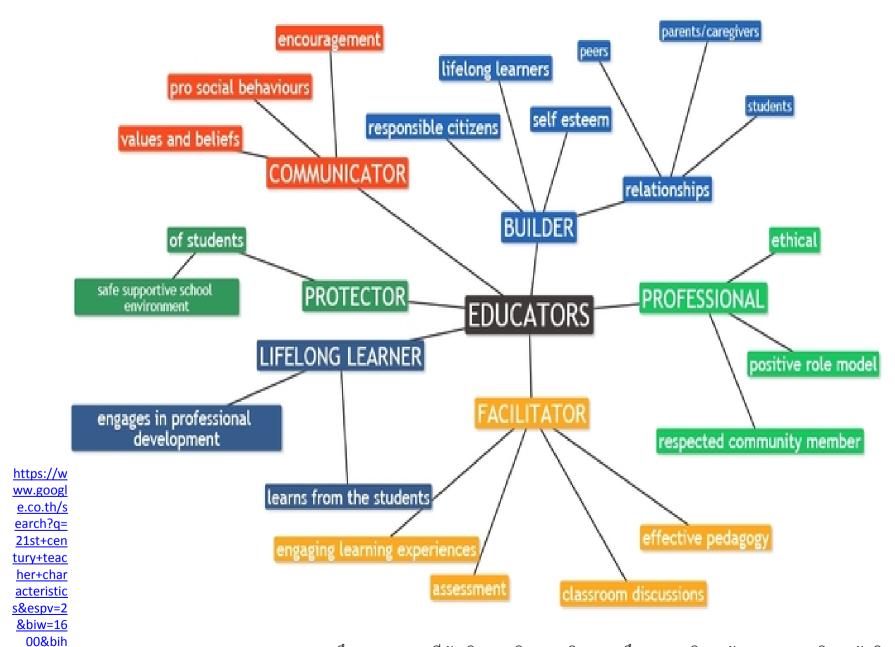
And then model that effective research for students constantly in highly visible ways.

The Many Faces of the TEACHER EDUCATOR

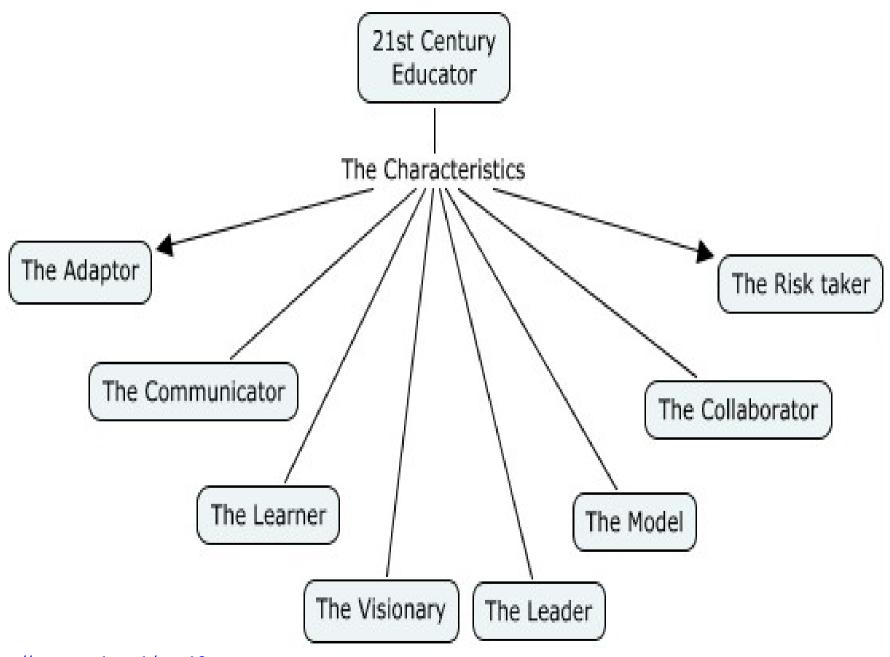
The Planner The Risk-taker The Collaborator The Role-model The Learner The Designer The Adaptor The Visionary The Leader The Assessor

The Cheer-leader The Mirror The Problem-poser The Drill Sergent The Coach The Animator The Actor The Mother-hen The Peace-maker The Disciplinarian

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The **LEARNER**

The MODEL

The **VISIONARY**

The **LEADER**

The RISK-TAKER



The COMMUNICATOR

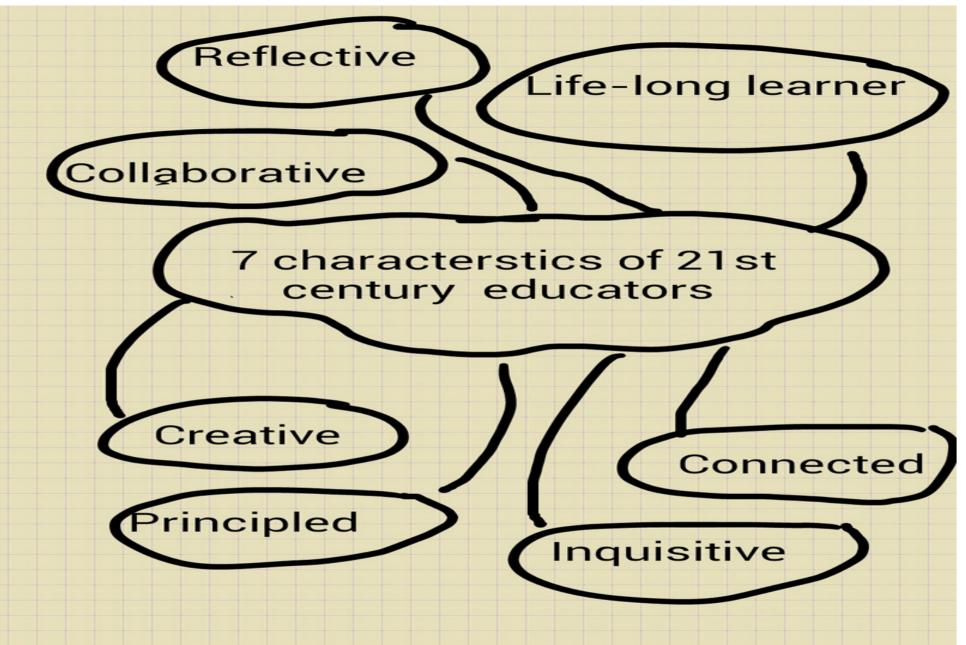
The COLLABORATOR

The **ADAPTOR**

Andrew Churches (07/01/2012)

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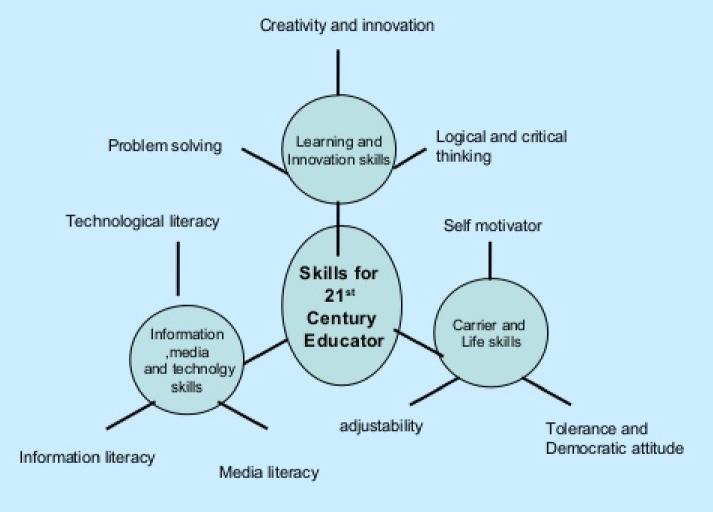
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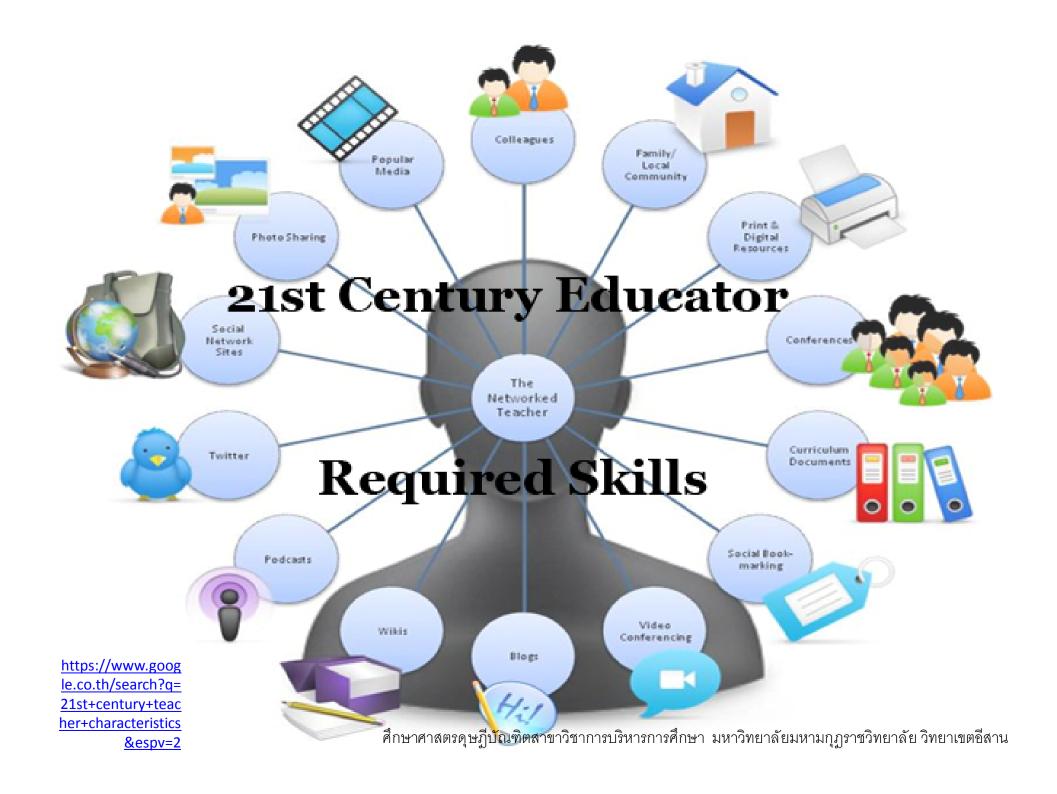
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Skills of 21st century educator



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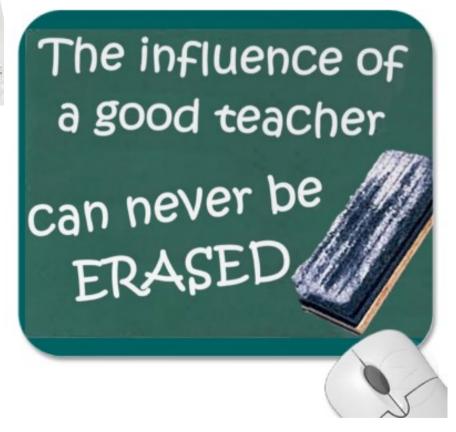


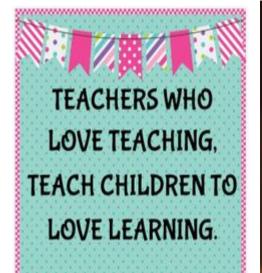
Find and evaluate authentic web based Use polling software to create a real-time survey in Create, edit, and share class Create digital portfolios digital audio, video and conduct effective online image content Create visually stimulating Share resources on the Curate online content graphics using social bookimarking Digital Skills every Create personal learning networks to connect with other Teacher should have Use file sharing tools to educators Use game-based share docs and files with students online learning set up a website, blog, or wiki for your class Use digital assessment Use social media for tools to create quizzes professional development purposes

Some Quotes for a Great Teacher

A great teacher takes a hand, opens a mind, and touches a heart

To the world you may be just a teacher but to your students you are a HERO!





THE BEST TEACHERS ARE THE BEST LEARNERS.

TheCompelledEducato

A Great Teacher is Positive

- Passion to inspire
- Urge to help
- Right attitude
- Expect good

A teacher affects eternity; he can never tell where his influence stops. - Henry Brooks Adams

mnRAJU

Great teachers teach children HOW to think not WHAT to think. Really Good Stuff www.reallygoodstuff.com

Teachers teach, but great teachers help us learn and live.

> Brooklyn 12th grade Fairfax R-3

Better than a thousand days of diligent study is one day with a great teacher.

Japanese proverb

Great teachers empathize with children, respect them, and believe that each one has something special that can be built upon.

Ann Liebermon



Some Quotes for a Great Educator

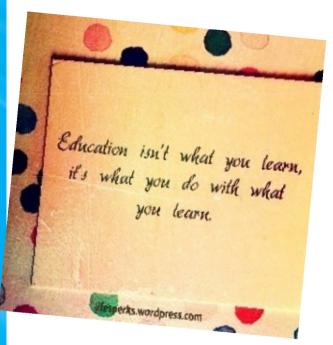
THE GREAT AIM OF EDUCATION IS NOT KNOWLEDGE, BUT ACTION.

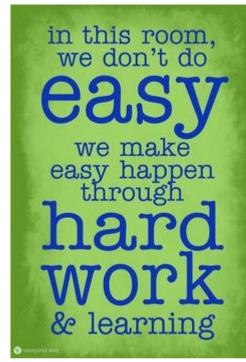
- Herbert Spence

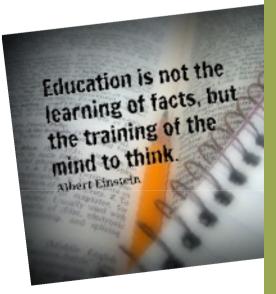


The function of education is to teach one to think intensively and to think critically. Intelligence plus character - that is the goal of true education. Martin Luther King, Jr.

EDUCATION IS OUR PASSPORT TO THE FUTURE, FOR TO MORROW BELONGS TO THE PEOPLE WHO PREPARE FOR IT TODAY. - Malcolm X -







One mark of a great educator is the ability to lead students out to new places where even the educator has never been.

"Children must
be taught
HOW TO THINK,
not what to think."

Margaret Mead

- Thomas Groome - Thomas Groome - สึกษาศาสตรดุษฎีบัณฑิตสาขาวิชาการบริหารการศึกษา มหาวิทยาลัยมหามกุฎราชวิทยาลัย วิทยาเขตอีสาน Learning gives creativity
Creativity leads to
Creativity leads to
thinking Thinking
thinking sknowledge
provides knowledge
provides knowledge makes you
Knowledge makes you
great.

"If your actions inspire others to dream more, learn more, and more, do more, and become more, you are a leader."

John Quincy An.

Without education, we are weaker economically. Without economic power, we are weaker in terms of national security. No great military power has ever remained so without great economic power.

Most of the problems in life are because of two reasons, we act without thinking or we keep thinking without acting.

Jon Meacham

meetville.com

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ONCE YOU STOP LEARNING YOU START DYING

- einstein



A teacher's expectation of his or her students' abilities is a major contributing factor to their success at school.

Genius and success at school is not just born or even made, it is faithfully called for by teachers, the school, the community.

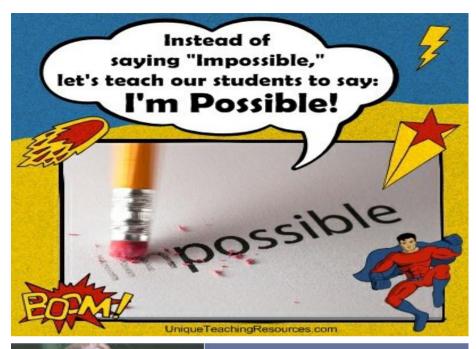


"The secret in education lies in respecting the student."

The PAST is where you learned the lesson
The FUTURE is where you apply the lesson.

Don't GIVE UP in the middle!

สึกษาศาสตรดุษฎีบัณฑิตสาขาวิชาการบริหารการศึกษา มหาวิทยาลัยมหามกุฎราชวิทยาลัย วิทยาเขตอีสาน





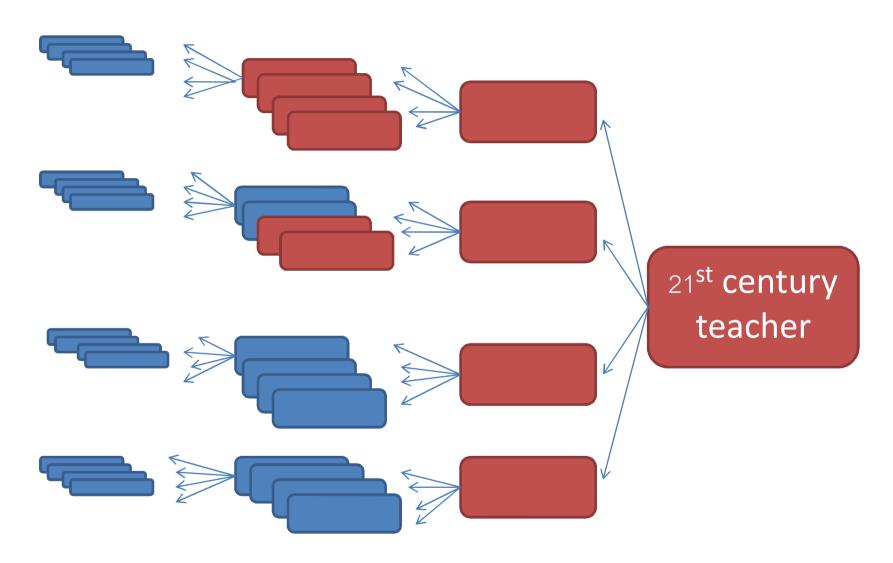
สังเคราะห์แล้วได้อะไร ??

- ✓ แบบแผนความคิดของท่านและของ กลุ่มเกี่ยวกับครูศตวรรษที่ 21 และ นักการศึกษาศตวรรษที่ 21 เป็น อย่างไร?
- ✓ ครูและนักการศึกษาศตวรรษที่ 21 มีความเหมือนและแตกต่างจาก ศตวรรษที่ 20 อย่างไร ?
- ✓ ครูและนักการศึกษาไทยในปัจจุบัน เป็นอย่างไร มีจุดเด่นอะไร มีจุดด้อย อะไร มีข้อเสนอแนะเพื่อการปรับปรุง หรือพัฒนาอย่างไร?
- ✓มีประเด็นที่ควรศึกษาค้นคว้า เพิ่มเติมหรือเพื่อการวิจัยอะไร?

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<u>ศึกษาศาสตรดุษฎีบัณฑิต</u>สาขาวิชาการบริหารการศึกษา มหาวิทยาลัยมหามกุฎราชวิทยาลัย วิทยาเขตอีสาน

การพัฒนาตัวบ่งชี้ครูศตวรรษที่ 21 - แนวคิดหนึ่งเพื่อการวิจัย



การพัฒนาตัวบ่งชี้นักการศึกษาศตวรรษที่ 21 - แนวคิดหนึ่งเพื่อการวิจัย

