


Building Skills for an Independent Study


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pdf PowerPoint handout on
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Introduction



- Classroom Teacher of the Gifted
- G/T Campus Facilitator
- Campus Administrator
- ESC G/T Specialist
- Retired
- Consultant

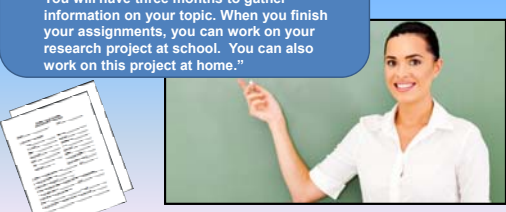


Introduce yourself to your neighbors sitting closest to you and answer these three questions.

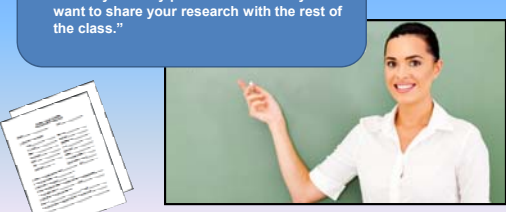


1. How many of you use or have used the Texas Performance Standards Project (TPSP) for your student independent studies or research projects?
2. Who uses the Texas PSP partially?
3. Who has designed their own research projects for their students or use another outside source?

"I enjoyed reading your interest inventories today. It was so fun to see what you are passionate about! Today you are going to be able to research the topic of your choice. You will have three months to gather information on your topic. When you finish your assignments, you can work on your research project at school. You can also work on this project at home."



"After the three months are up, be ready to present your research project to the class. You may use any presentation mode you want to share your research with the rest of the class."



Good and Bad

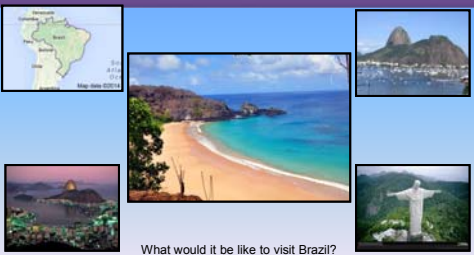
<p>GOOD</p> <ul style="list-style-type: none"> • Teacher is giving students choice. • Teacher is giving students some class time to work on project. • Teacher takes time to get to know students with an interest inventory. • The assignment is open ended. 	<p>BAD</p> <ul style="list-style-type: none"> • Students are not being taught research skills. • Students don't have enough time to work on project at school. • Lack of skill in asking strong guiding questions. • Student will more than likely produce a research project with no depth or complexity, just regurgitating facts.
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Description of this Session

- Explore the necessary components, research-process skills, advanced curriculum, and elements of depth and complexity that are taught in order for gifted students to create a **sophisticated product**. Examine the model and tools that the Texas Performance Standards Project uses to support gifted students with independent study.

What is a sophisticated product?

Brazil-Culture Shock



Brazil-Culture Shock

How will the country of Brazil be impacted by the World Cup 2014?

A Sophisticated Product

- Is based on a strong guiding question.
- Is interesting to audience, makes the listener think.
- Information is collected from reliable primary and secondary sources.
- Content includes elements of depth and complexity.
- Researcher knows their research and can talk about it using advanced language.

Sophistication doesn't happen by itself.

History of The Texas PSP

- When the TPSP was first developed it was intended to help districts evaluate the strength of their G/T Program.
- The premise was, if identified G/T students were not able to produce sophisticated independent products while receiving services, then it could be a reflection on what was being taught in the gifted classes.

– www.texaspsp.org


Texas PSP Model

- Phase 1 –Learning Experiences
 - Teaching students the research process
 - Learning an advanced topic and vocabulary-a topic that goes beyond the TEKS but can be aligned to the TEKS
 - Learning how to delve deeper into a topic
 - Adding complexity to content

To accomplish this phase, take the whole class, all students, including the gifted through the research steps with a teacher selected topic. This would be considered a teacher guided research. Modeling the steps.

Texas PSP Model

- Phase II-Independent Research
 - Students selects a topic of personal interest
 - Create a Research Plan
 - Conduct research
 - Plan a product
 - Prepare for presentation



Research Process

- Choosing a Topic
 - Immersion into that topic
 - Build advanced vocabulary
 - Create a strong guided question and supporting questions.
- Create a research plan with goals
 - Primary sources
 - Secondary sources
- Collect research notes
 - Learn to validate and document sources
 - Organize notes
- Recheck your goals
- Create a product
- Present presentation
 - Presentation skills

Adapted from Independent Investigation Method.
Prufrock Press



Building and Using Vocabulary


8th grade Science Process Skill


- Design and implement comparative and experimental investigations by making observations, asking well defined questions, formulating testable hypotheses, and using appropriate equipment and technology.


Lauren Hodge on TED Talks- 2011 Google Science Fair Winner


www.jtayloreducation.com


The Elements of Depth and Complexity



 Rules



 Language and Discipline



 Details



 Patterns



 Unanswered Questions



 Trends


 Big Idea


 Over Time


 Multiple Perspectives


 Ethics


 Across Disciplines

Depth



Complexity



Brainstorm what you know about birds.




Put your facts into categories and give it a title

Physical Characteristics

- Feathers
- Pointy beak
- Long neck
- Big in size

Habitat

- Perches in trees
- Lives near water



Behaviors

- Flies
- Hunts
- Eats
- Swims
- Migrates

Developing Questions


What are the physical characteristics that are common in most birds?

Physical Characteristics

- Feathers
- Pointy beak
- Long neck
- Big in size

Habitat

- Perches in trees
- Lives near water



Behaviors

- Flies
- Hunts
- Eats
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What are the behaviors of most birds?

What kinds of habitats do birds live in?

Add elements of depth and complexity.


How have the physical characteristics of birds changed over time?

Physical Characteristics

- Feathers
- Pointy beak
- Long neck
- Big in size

Habitat

- Perches in trees
- Lives near water



Behaviors

- Flies
- Hunts
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- Swims
- Migrates

What patterns do we see in the behavior of birds that help us predict their movement?

How has man changed the habitat of birds and what is being done to protect this wildlife?

Introduce many choices for products.

Practice Presentation Skills all Year Long

Give Students opportunities to talk all year!

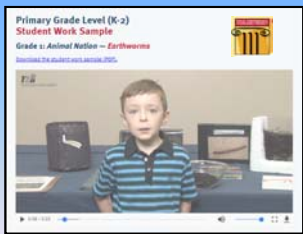
- Book Reports
- Show and Tell
- Group Work
- Group Discussions
- Group Report Out

Gifted/Talented Teacher Tool Kit

http://jukebox.esc13.net/01_TeacherToolkit_2017/HTML_files/gt_home.html

Best Presentations

- Students are excited and passionate to share what they have learned with others.
- Students have visual or concrete aids to help them share their information.
- Students are confident and know their topic well and can talk to others about their research versus reading notes. They can answer questions from the audience.



5 Steps for a Sophisticated Product

1. Immerse student into an advanced topic. Collect advanced vocabulary for presentation.
2. Create a research plan with an overall essential guiding question that elicits more depth and complexity.
3. Conduct research, collect data and site sources.
4. Plan a product.
5. Prepare for presentation.

Questions and Contact Information

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