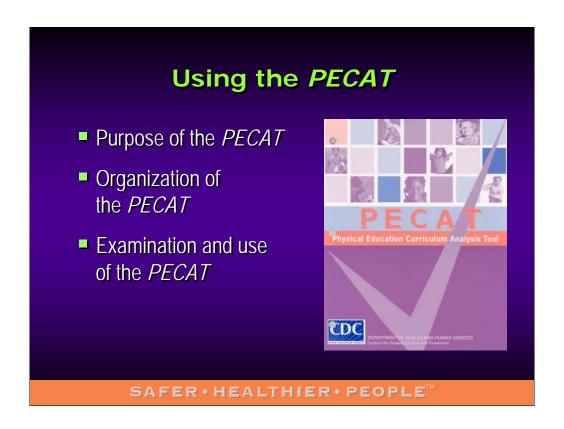


Slide 1: PECAT - Physical Education Curriculum Analysis Tool - Using the PECAT

Note to Trainer: Introduce yourself and the presentation



Slide 2: Using the PECAT

- •Purpose of the *PECAT*
- Organization of the PECAT
- •Examination and use of the PECAT

Today I am going to discuss the purpose and organization of the *Physical Education Curriculum Analysis Tool* – the *PECAT*, and then you will have an opportunity to practice using it. The *PECAT* was developed by the Centers for Disease Control and Prevention's Division of Adolescent and School Health, to help individuals and groups analyze written physical education curriculum.

Objectives of the Presentation

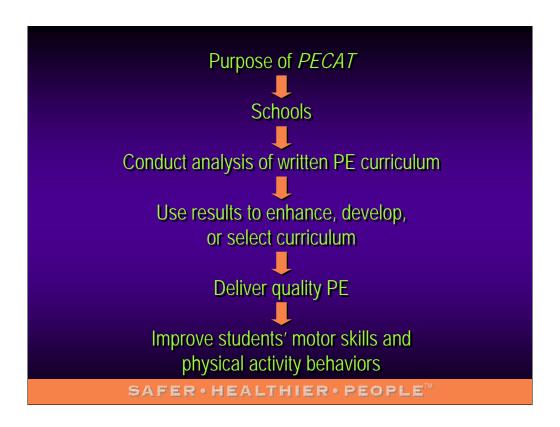
- The participants will be able to:
 - Describe how the PECAT can be used to improve physical education and thereby influence students' motor skills and physical activity behaviors.
 - Use the components of the *PECAT*.
 - Discuss how to incorporate the PECAT into your professional practice.

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Slide 3: Objectives of the Presentation

By the end of the presentation, you will be able to

- (1) Describe how the *PECAT* can be used to improve physical education and thereby influence students' motor skills and physical activity behaviors.
- (2) Use the various components of the PECAT, and
- (3) Discuss how to incorporate the *PECAT* into your professional practice.



Slide 4: The purpose of the *PECAT*

The purpose of the *PECAT* is to help schools conduct a clear, complete, and consistent analysis of <u>written</u> physical education curricula. Then, the results can help schools select a published curriculum, develop their own curricula, or enhance existing curricula to support the delivery of **quality physical education** in schools. In turn, this will improve the ability of schools to positively influence motor skills and physical activity behaviors among school age youth.

Rationale for the PECAT

- 1. The need to increase student participation in physical activity.
- 2. The school's role in improving physical activity habits and health of youth.
- 3. Physical education curriculum is the primary means through which schools deliver physical education.¹
- 4. No national tool to analyze physical education curriculum.

Source: Melograno VJ. Designing the physical education curriculum. 3rd ed. Champaign, IL: Human Kinetics, 1996.

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Slide 5: Rationale for the *PECAT*

There are at least four fundamental reasons for the development of the *PECAT*:

- (1) Students need to be more physically active.
- (2) Schools can (and should) help improve the physical activity habits and health of young people by providing quality instruction, programs, and services that promote enjoyable, lifelong physical activity.
- (3) A high quality physical education program is the cornerstone of a school's physical activity programming, and a well-written physical education curriculum is the foundation of a physical education program.¹
- (4) Although many documents and tools discuss and address high quality physical education, there was no pre-existing tool that allowed users to thoroughly analyze a written curriculum.
- 1. Melograno VJ. Designing the physical education curriculum. 3rd ed. Champaign, IL: Human Kinetics, 1996.



Slide 6: Organization of the PECAT

The *PECAT* is organized into 5 sections: The Front Material includes the introduction and instructions for completing the *PECAT*. (see pages 1 - 9)

Organization of the PECAT

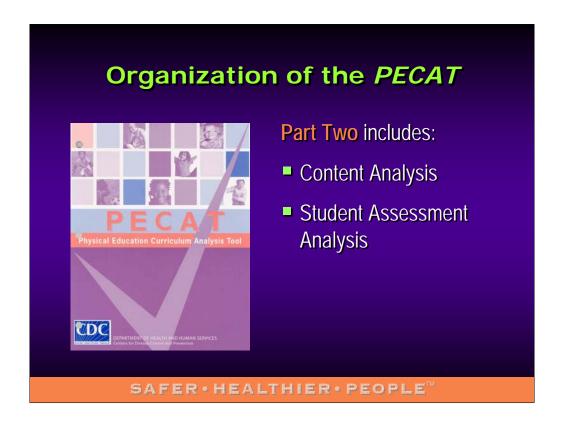
Part 1: Preliminary Curriculum Considerations

- Physical Education Curriculum Description
- Accuracy Analysis
- Acceptability Analysis
- Feasibility Analysis, and
- Affordability Analysis

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Slide 7: Organization of the PECAT

Part One includes the Physical Education Curriculum Description, which requests basic information about the curriculum (pages 13 – 15); and the Preliminary Curriculum Analyses (Accuracy, Acceptability, Feasibility, and Affordability Analyses), which feature questions to consider about the curriculum prior to analyzing content and student assessment. (pages 17 – 31)



Slide 8: Organization of the PECAT

Part Two includes the Content and Student Assessment Analyses, which feature systems for rating a curriculum on how well it addresses each of the six national standards for physical education.

- •The content and student assessment analyses are divided into four subsections that correspond to the grade-level ranges used in the national standards for physical education: K 2, 3 5, 6 8, and 9 12. (pages 35 171).
- •Each subsection begins with a list of what students are expected to achieve by the end of the identified grade-level range related to each of the national standards.
- •These student expectations, developed by the National Association for Sport and Physical Education (NASPE), build the framework of the curriculum analysis process, as they identify what physically educated students are expected to know and be able to do by the end of each grade-level range.
- •The Content Analyses focus on what is contained within the curriculum across the grade levels, based upon the national standards. The Student Assessment Analyses focus on the existence of age-appropriate protocols for student assessment.

Organization of the PECAT

- Part Three includes:
 - Curriculum Improvement Plan
- Appendices include:
 - National Standards
 - Glossary
 - Resources
 - Example of a completed scoring sheet.

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Slide 9: Organization of the PECAT

Part Three includes the Curriculum Improvement Plan, which is a guide for users to examine *PECAT* results and determine a timeline for addressing the needed changes. (page 187)

And, finally the Appendices include the National Standards, Glossary, Resources, and an example of a Completed Scoring Card. (pages 191-204)



Slide 10: Now, it's **YOUR** turn to look at the *PECAT*!



Slide 11: Develop an Understanding

Next, you will take a closer look at the components of the *PECAT* to develop an understanding of:

- Accuracy Analysis,
- Acceptability Analysis,
- Feasibility Analysis,
- Affordability Analysis,
- Content Analysis, and
- •Student Assessment Analysis.

Then, you'll share your understanding with your group members.

Next Steps for Group Activity

- 1. Form groups
- 2. Choose one analysis each:
 - Accuracy
 - Acceptability
 - Feasibility
 - Affordability
 - Content
 - Student Assessment
- 3. Read component

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Slide 12: Next Steps for Group Activity

First, form a small group of 6 people.

Second - Each group member will choose from one of the following components to read:

- •Accuracy Analysis (pages 17 19)
- •Acceptability Analysis (pages 21 24)
- •Feasibility Analysis (pages 25 26)
- Affordability Analysis (pages 27 31)

Note to Trainer: Each group should choose one grade level for the Content Analysis and Student Assessment Analysis.

- •Content Analysis (for grades K-2, see pages 35 49; for grades 3 5, see pages 69 83; for grades 6 8, see pages 105 119; for grades 9 12, see pages 141 153)
- •Student Assessment Analysis (for grades K-2, see pages 51-61; for grades 3-5, see pages 87-97; for grades 6-8, see pages 123-133; for grades 9-12, see pages 155-167))

Third - Each member will read or review the chosen section.

Next Steps for Group Activity

- 4. Answer "guiding questions" about each of the components/section:
 - What is the purpose? What does it provide?
 - Who completes it?
 - What examples need to be considered? (For accuracy and acceptability only)
 - What forms are included?
 - How helpful is this to you?
 - Is it applicable to your local situation?

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Slide 13: Next Steps for Group Activity

Fourth – Then, for each section, the group member will answer the questions on the handout titled "Guiding Questions." You have 10 minutes to do this.

- •What is the purpose of this component? What does it provide?
- •Who should complete this component?
- •For accuracy and acceptability component only: What are some examples of issues or concerns that might be considered in this section?
- •What forms are included in this component?
- •How might this component be helpful to you in understanding and reviewing curriculum?
- •Is it applicable to your local situation?



Slide 14: Next Steps for Group Activity

Fifth – when you have completed answering the questions, share your understanding of the component with your group members. You have 10 minutes to do this. *Note to trainer*: depending on the group process, it may take as long as 15 minutes.

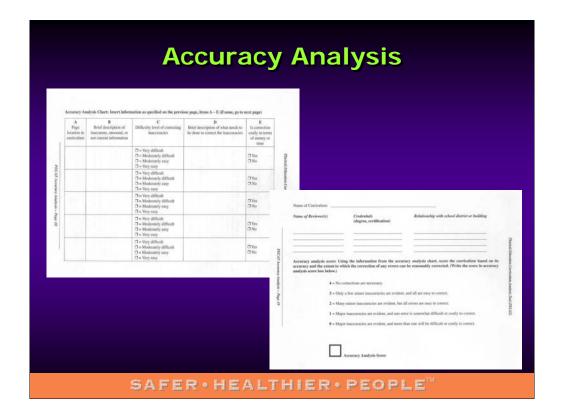
Review and Clarification

Let's review and clarify the sections/components together!

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Slide 15: Review and Clarification

Note to trainer: Use the following slides, if necessary, to clarify any misunderstanding the committee members may have about the analyses. OR, use these notes (slides 16 to 29) to clarify when group members share their sections, then move onto slide 30.



Slide 16: Accuracy Analysis

The Accuracy Analysis form can be found on pages 17 - 19 of the *PECAT*. (images of pages from the *PECAT*)

Accuracy Analysis

- Assess accuracy of health, medical, and scientific information in the written physical education curriculum.
- Identify inaccurate, unsound, exaggerated, distorted, outdated information, as well as the degree of difficulty.
- Determine what needs to be done to correct the problems.

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Slide 17: Accuracy Analysis

Accuracy Analysis is used to assess the accuracy of the health, medical, and scientific information in the written physical education curriculum.

You will:

- •Identify and describe inaccurate, unsound, exaggerated, distorted or out-of-date information; you will also identify the degree of difficulty associated with correcting the problem.
- •Identify what needs to be done to correct the problem, and
- •Determine if the correction is costly in terms of time or money.

And, you will determine:

- •Are physical and skill activities within the written curriculum represented accurately in charts, graphs, and written text?
- •Are the sources of the physical education curriculum content made clear?
- •Is the curriculum based on appropriate data and reliable sources of physical education information?
- •Are data, information, and sources of information up-to-date?
- •Does the curriculum use accurate and appropriate terminology?
- •Are information, examples, scenarios, etc. relevant to the students' lives?

Accuracy Analysis

- For Accuracy Analysis, assemble individuals with expertise and experience in:
 - Science of physical education and/or kinesiology
 - Science of youth physical activity

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Slide 18: Accuracy Analysis

In order to best complete each section, you will want to include individuals with specific types of expertise and experience on your *PECAT* committee. For the Accuracy Analysis, you'll want someone with scientific expertise in Physical Education and/or Kinesiology, and the science of youth physical activity.

A Page location in	Brief description of biased, stereotypical, incompatible, or	C Degree to which	pe previous page, items A-E (i D Brief description of what needs to be done to correct	Degree of difficul correct or eliminat	ty to e this						
eurriculum	unacceptable information or depiction	information is unacceptable	unacceptable information	information and r curriculum qual	lity						
		□ = Serious □ = Minor		☐ = Moderately di ☐ = Moderately es ☐ = Very easy							
		□ = Serious □ = Minor		☐ = Very difficult ☐ = Moderately di ☐ = Moderately es ☐ = V							
		□ = Serious □ = Minor		0=V 0=8 0=8 0=N	Name of Curri	ulum:					
		🗇 = Sections 🗇 = Minor		D=1 D=1	Name of Review	er(i)	Credentials (degree, certification)	Relationship with school district or building			
		□ = Serious □ = Minor		0=V 0=V 0=X							
		□ = Serious □ = Minor		D=V MCWAke				reptability analysis chart, score the curriculum based on any errors can be reasonably completed.			
		IJ-Maio		D=V phabling A		4 = No corrections are necessary. 3 = Only a few minor inaccuracies are evident, and all are easy to correct.					
				adjuit -		2 = Many	minor inaccuracies are evident, but	all errors are easy to correct.			
				Pille 24			inaccuracies are evident, and one or	error is somewhat difficult or county to cornect.			

Slide 19: Acceptability Analysis

Acceptability Analysis. The Acceptability Analysis form can be found on pages 21 - 24 of the *PECAT*. (images of pages from the *PECAT*)

Acceptability Analysis

- Determine if anything in curriculum is:
 - Incompatible with school norms;
 - · Promotes biased or stereotypical perceptions; or
 - Is inconsistent with state or school district policies or codes.

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Slide 20: Acceptability Analysis

You will review the curriculum to determine if there is anything in it (e.g., text, pictures) that might:

- •Be incompatible with school norms;
- •Promote biased or stereotypical perceptions of individuals or groups on the basis of personal characteristics such as race, ethnicity, gender, religion, culture, body size, physical abilities, or sexual orientation; or
- •Be inconsistent with state statutes, state or district policy, codes, and/or standards.

Acceptability Analysis

- For Acceptability Analysis, assemble individuals with expertise and experience in:
 - School policy
 - State guidelines and mandates for physical education
 - State and local PE standards
 - Physical education needs of students

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Slide 21: Acceptability Analysis

For the Acceptability Analysis, you will want to assemble individuals with expertise and experience in:

- •State guidelines for PE, including local policy guidelines for PE-policy (if they exist),
- •State and/or local PE frameworks and standards that guide physical education (if they exist),
- •School expectations for physical education material, and
- •The physical education needs of students.

In addition, you will want to include contact information for the person who is in charge of policy information for the school system.

Objected Edwardson, Convinciones Amelicala, East (FECAT)	Eleptical Education Carriendon Analysis Test (PECAT)		
Feasibility Analysis	3. The curriculum can be implemented with the existing physical education facilities and		
The feasibility analysis should be completed by persons from the PECAT committee who know whether the physical education corriculess context, materials, and instructional strategies can be	equipment. If Yes I No, but this can be addressed I No, it is not feasible		
successfully implemented and sailled in local schools. Complete each item below. Record notes to justify scores and to inform PECAT committee discussions and decisions.	Notes:		
AND THE RESIDENCE OF STREET, AND THE SAME PROPERTY OF STREET, AND			
 The curriculum can be reasonably implemented within the capacity (e.g., level of training, certification in teaching physical education) of existing physical education teachers. 			
Tyrs DNo			
- NOON.			
	Feasibility Analysis Score: Based on the information above, score the curriculum based on h feasible it appears to implement successfully.		
	4 = Frasible		
	3 = Probably feasible: 2 = Possibly feasible 1 = Probably antenable		
The curriculum can be implemented within the available instructional time.	0 = Clefrasible		
☐ Yes ☐ No, but time can be adjusted ☐ No, it is too lengthy ☐ No, it is too short			
Notes:	Feasibility Analysis Score		
PECAT Feasibility Analysis - Page 23	PECAT Familiality Analysis - Page 26		

Slide 22: Feasibility Analysis

The Feasibility Analysis form can be found on pages 25-26 of the *PECAT*. (images of pages from the *PECAT*)

Feasibility Analysis

- Can the curriculum be implemented:
 - By physical education teachers?
 - Within available instructional time?
 - With existing PE facilities and equipment?

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Slide 23: Feasibility Analysis

For this analysis, select committee members who know if the physical education curriculum content, materials, and instructional strategies can be successfully implemented and utilized in the classroom. Questions you will consider include:

- •Can it be reasonably implemented by physical education teachers?
- •Can it be implemented within the available instructional time?
- •Can it be implemented with the existing physical education facilities and equipment?

Feasibility Analysis

- For Feasibility Analysis, assemble individuals with expertise and experience in:
 - School and/or district-level PE coordination
 - Curriculum and instruction
 - School administration
 - Teaching of physical education

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Slide 24: Feasibility Analysis

For the Feasibility Analysis, you will need individuals with expertise and experience in:

- •School and/or district-level Physical Education coordination/supervision (if one exists),
- •Curriculum and instruction,
- School administration, and
- •Teaching of physical education.

You may also want to include master teachers and school principals from each grade level.



Slide 25: Affordability Analysis

For this analysis, you will score how affordable the curriculum appears to be (pages 27 – 31 of the *PECAT*). This analysis look at both costs and resources available to balance those costs.

Costs to consider include:

- Costs of changing school operating procedures;
- •Costs of sustaining curricular materials annually;
- •Costs associated with changes in staffing, facilities, and/or schedule so that lessons in the curriculum can be implemented as written;
- •Costs of revising the curriculum to ensure that the content is accurate and acceptable.

If you are reviewing your district-developed curriculum, some of the pieces of the affordability analysis may not be applicable to your local setting, but many of them are. For example, you may need to consider the costs to implement the curriculum.

Affordability Analysis

- For Affordability Analysis, assemble individuals with expertise and experience in:
 - School finances
 - Curriculum and instruction
 - School administration
 - Teaching of physical education

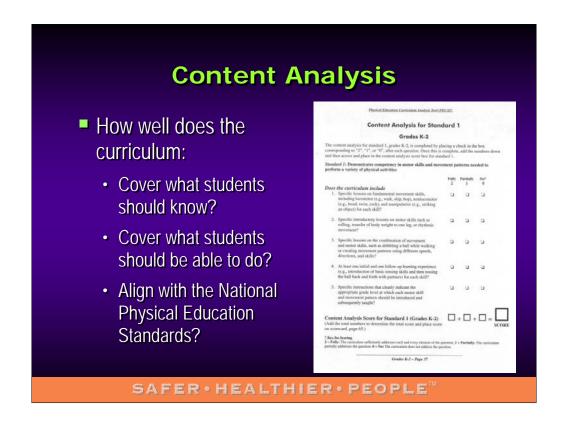
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Slide 26: Affordability Analysis

The Affordability Analysis should be completed by persons who are knowledgeable about curriculum purchasing, implementation, and curriculum revision costs. You will want to include individuals with expertise and experience in:

- •School finances (for example, the school finance officer or someone who can provide cost of staffing, and current and projected budget allocations),
- Curriculum and instruction,
- •Physical education curriculum (a specialist or other supervisor in charge),
- School administration, and
- Teaching of physical education.

You may also want to include master teachers and school principals from each grade level.



Slide 27: Content Analysis

The *PECAT* helps users analyze written physical education curriculum, on the basis of the **content it includes and the student skills it assesses.**

The Content Analysis determines how well the curriculum covers the components of what students should know and be able to do, and how well it aligns with the national PE standards. (In the *PECAT*, for grade K-2 see pages 35 - 49; for grades 3 - 5 see pages 69 - 83; for grades 6 - 8 see pages 105 - 119; and for grades 9 - 12 see pages 141 - 153).

3,3,3,1,1			~		sment Analysis
Physical Education Coerica from Associal Test LPE	can				
Student Assessment Analysis for	Stan	dard	1		
Grades K-2					How well does the
The student assessment analysis for standard 1, grades $K-2$, is complete corresponding to "2", "1", or "0"after each question. Once this down and thus across and place in the student assessment analysis is	s compl	lete, add th	he mumb	i the	
Standard 1: Demonstrates competency in motor skills and mover perform a variety of physical activities	oent pu	itierns nec	eded to		curriculum:
Does the curriculum include	Fully 2	Partially 1	No.		
 Protocols for assessing fundamental movement skills, including loconosor (e.g., wilk, skip, hop), nonloconosor (e.g., bend, twist, rock), and manipulative (e.g., striking an object) skills? 	0	0	0		 Integrate standards-
 Protocols for assessing specialized movement skills such as rolling, transfer of body weight to one leg, or rhythmic movement? 	u	а	ū		based assessment
 Protocols for assessing the combination of movement and motor skills such as dribbling a ball while walking or creating move- ment patterns using different speeds, directions, and skills? 	O	u	9		protocols?
4. Protocols for assessing the application of a variety of locument, nonlocomotor, manipolarie, combination, and specialized skills such as having a student demonstrate how to adapt movement skills to changing conditions (e.g., rolling a ball to a moving partner or newing to music.)	u	ū	a		 Provide age-
 Specific instructions that clearly indicate the appropriate grade level at which each protocol for student assessment should be conducted for the above components? 	٥	a	a	_	appropriate student
Student Assessment Score for Standard 1 (Grades K-2) (Add the numbers across for the total score and place score on scorecard, page 65.)		+ 🗆 +		SCORE	assessment protocols
* Ker, for Scoring. 2 = \$ fully: Includes 1 or more specific personals for someoness and multiple localities for include 1 or more personals but not multiple locals of corporancy, 8 = Not Dans modest performance.	e of comp and melian	petracy; I = de sep pioto	Partially col for po	i Done cooling	for each standard?
Grades K-2 - Page 51		-			

Slide 28: Student Assessment Analysis

The Student Assessment Analysis determines how well the curriculum integrates standards-based assessment protocols for the knowledge and skills expected from students, and whether there are student assessment protocols for each standard (to guide the evaluation or assessment of student skill and ability for performance and of demonstration). (In the PECAT, for grades K-2 see pages 51-61; for grades 3-5 see pages 87-97; for grades 6-8 see pages 123-133; and for grades 9-12 see pages 155-167.)

Each analysis contains several critical components taken directly from the national physical education standards. For example, standard 1 ("demonstrates competency in motor skills and movement patterns needed to perform a variety of physical activities") features four components: fundamental movement skills, specialized movement skills, combination of movement skills, and application of skills.

Content and Student Assessment Analyses

- For Content Analysis and Student Assessment Analysis, assemble individuals with expertise and experience in:
 - Science of physical education and/or kinesiology
 - Science of youth physical activity
 - Curriculum and instruction
 - Teaching of physical education
 - Protocols for physical education assessment (e.g., state/district requirements, fitness testing, etc.)

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Slide 29: Content and Student Assessment Analyses

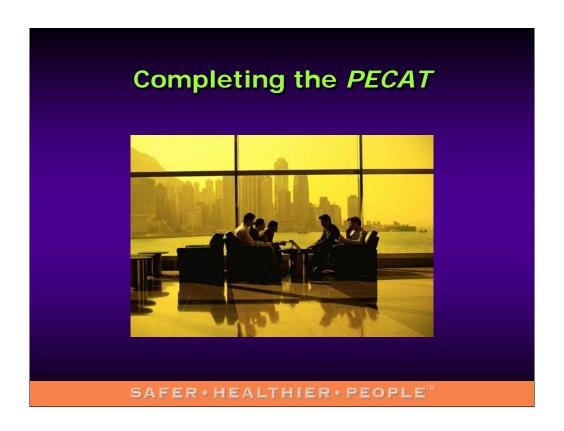
For the Content Analysis and Student Assessment Analysis, you will need these materials:

- •National[1] and state PE standards,
- •Physical Education assessments used by teachers within the school system, and
- •Any established protocols/policies that address assessment in physical education, such as physical fitness testing, some state/district requirements, screening tools, pre/post unit testing, etc.

For the Content Analysis and Student Assessment Analysis, you will need to assemble individuals with expertise and experience in:

- •Science of physical education and/or kinesiology,
- Science of youth physical activity,
- Curriculum and Instruction,
- Teaching of physical education, and
- •Protocols for physical education assessment (e.g., state/district requirements, fitness testing, etc.).

11 Note: the national standards can be found in the PECAT, Appendix 2, page 193.



Slide 30: Completing the *PECAT*

Now that you understand the components of the *PECAT*, what are the next steps in completing the *PECAT*?

Note to trainer: The Committee may have already selected the *PECAT* coordinator. The coordinator is responsible for assisting the committee with identifying roles and responsibilities of each member; leading the committee through a clear timeline; and leading the committee through the process of completing the *PECAT*. (image of people in a conference room)

Preparation for Completing the PECAT

Assemble the following items:

- Curriculum(a) to be reviewed
- Copies of the PECAT
- Copies of state or local PE standards
- Contact information of school or district-level physical education curriculum administrator or supervisor

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Slide 31: Preparation for Completing the *PECAT*

Here are the general items that the *PECAT* Coordinator will need to <u>assemble</u> before beginning the *PECAT* process:

- •Copies of each of the curriculum to be reviewed,
- •Copy of the *PECAT* for each committee member,
- Copies of state or local standards, and
- •Contact information of school or district-level physical education curriculum administrator or supervisor.

Steps to Completing the PECAT

Step 1: Identify the roles and responsibilities of each committee member.

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Slide 32: Steps to Completing the PECAT

Step 1: Now, the roles and responsibilities of each committee member will need to be identified.

•Are there any other people you might include on your committee?

Note to Trainer: You may want to offer suggestions for types of individuals who may serve on the *PECAT* committee. In addition to individuals with expertise and experience in education, school finance, physical education and kinesiology, and school administration, **interested parents or guardians and community leaders** can be supportive and provide additional perspectives associated with physical education curriculum planning and implementation.

Steps to Completing the PECAT

- Step 2: Review curriculum materials, the PECAT, and any additional state or local standards.
 - Complete Curriculum Description Form together, and
 - Determine organization of the committee for completion of other forms.

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Slide 33: Steps to Completing the PECAT

Step 2. Review curriculum materials, the *PECAT*, and any additional state or local standards.

- Each member of the committee should receive a copy of the curriculum being reviewed as well as a copy of the *PECAT*.
 - •This allows members to understand the framework of the curriculum as well as its contents.
- •The *PECAT* will allow you to analyze any additional standards; how to do so will be discussed later.
- •The committee should begin by completing the Curriculum Description Form (pages 13 15) together, then:
 - •Decide who will be responsible for completing the preliminary, content, and student assessment analyses for each grade level range.
 - •The entire *PECAT* committee might work together on all grade-level ranges or subcommittees could be formed to complete specific components of the *PECAT* (e.g., Preliminary Curriculum Considerations; Content Analysis; Student Assessment Analysis) or specific grade levels.

Physical Education. Curriculum Analysis. Tool (PECAT)	
Physical Education Curriculum Description	
The curriculum description is used to provide an overview of the curriculum being assessed. The PECAT coordinator or the entire PECAT committee can complete the curriculum description form.	
Curriculum Description Items	
1. Name of Curriculum:	
2. Year developed or published: If applicable, year revised:	
3. Publisher/Developer/Distributor Name:	
Contact Person:	
Address:	
Phone:	
4. What are the overall goals or focus of the curriculum?	
What grade levels does the curriculum address? (check all that apply)	
□ Kindergarten	
☐ Grade 1 ☐ Grade 2	
□ Grade 3	
□ Grade 4	
□ Grade 5	
☐ Grade 6	
☐ Grade 7 ☐ Grade 8	
Grade 9	
Grade 10	
Grade	
☐ Grade 12	
6. How many lessons/sessions are in the curriculum?	
Physical Education Curriculum Description Form - Page 13	
Control and the late of the la	
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Slide 34: Physical Education Curriculum Description

The Physical Education Curriculum Description form can be found in the *PECAT* on pages 13-15.

Steps to Completing the PECAT

- Step 3: Complete the Accuracy, Acceptability, Feasibility, and Affordability Analyses.
 - Complete the Preliminary Curriculum Considerations.
 - Complete before proceeding to the Content and Student Assessment Analyses.
 - Make choices early.

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Slide 35: Steps to Completing the *PECAT*

Step 3: Complete the Accuracy, Acceptability, Feasibility, and Affordability Analyses (pages 17 – 31 of the *PECAT*).

- •The preliminary analyses allow you to determine the accuracy of the curriculum, how well the curriculum is aligned with community norms, and how feasible and affordable it will be for the school district and physical education teachers to implement the curriculum.
- •Consider the questions for each analysis, consult with knowledgeable individuals, complete the scoring charts, and place the score in the score box on the last page of each analysis.
- •For a locally-developed curriculum, complete each of these analyses to determine any initial considerations that should be addressed before proceeding to the Content and Student Assessment Analyses.
 - •For example, the Affordability Analysis may enable the *PECAT* committee to identify costs that were undocumented previously. These considerations will be important when the curriculum improvement plan is established.
- •For commercially-developed curricula, if a curriculum has low scores on any of these preliminary analyses, you should <u>not</u> proceed with the Content and Student Assessment Analyses.
- •A commercially-developed curriculum that is <u>not</u> rated as accurate, acceptable, feasible, and affordable is not an appropriate choice.

Steps to Completing the PECAT

- Step 4: Complete the Content and Student Assessment Analyses
 - Perform Content and Student Assessment Analyses
 - Consider importance of sequential written curriculum
 - Identify the content, skills, and activities that should be covered yearly, and throughout K-12.
 - Students need to be taught increasingly advanced skills and concepts.

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Slide 36: Steps to Completing the PECAT

Step 4: Complete the Content and Student Assessment Analyses (pages 35 - 171 of the PECAT).

- Perform Content and Student Assessment Analyses.
- •Consider the importance of sequential written curriculum.
 - •The sequence identifies, defines, and describes the skills and activities that should be covered on a yearly basis, as well as the sequence of instruction throughout students' educational K 12 experience.
 - •All questions, across the grade levels, within the *PECAT* are based on the premise that students need to be taught increasingly advanced forms of physical activity skills and concepts as they progress through their educational experience.

Note to Trainer: Each of the Preliminary Curriculum Consideration Analyses should have been scored during the process of completing each one. These scores do <u>not</u> contribute to the Overall *PECAT* Scorecard.

Sequence Considerations

- Standards built on previous grade level.
- Content Analysis examines sequence from one grade level to the next.
- Student Assessment Analysis determines if ageappropriate assessment protocols exist across the grade levels.

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Slide 37: Sequence Considerations

The questions in the Content Analysis and Student Assessment Analysis address the sequence of the curriculum, or how each standard builds on the previous grade level.

- •For example, Content Analysis question 1 for standard 1, grades K-2 asks how well a written curriculum includes specific lessons on fundamental movement skills.
- •Content Analysis for standard 1, grades 3-5 asks whether the curriculum includes specific lessons on *mature* forms of fundamental movement skills.

Scoring Criteria for Content Analysis

- 2 = Fully addresses each element of the question
- 1 = Partially addresses the question
- Does not address the question

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Slide 38: Scoring Criteria for Content Analysis

The scoring criteria for calculating scores for the Content Analysis are:

- •A score of 2 or "Fully", means that the curriculum sufficiently addresses each and every element of the question;
- •A score of 1 or "Partially", means that the curriculum partially addresses the question; and
- •A score of 0 or "No", means that the curriculum does not address the question. (see example for grades K-2 on page 37 of the *PECAT*)

Scoring for Student Assessment Analysis

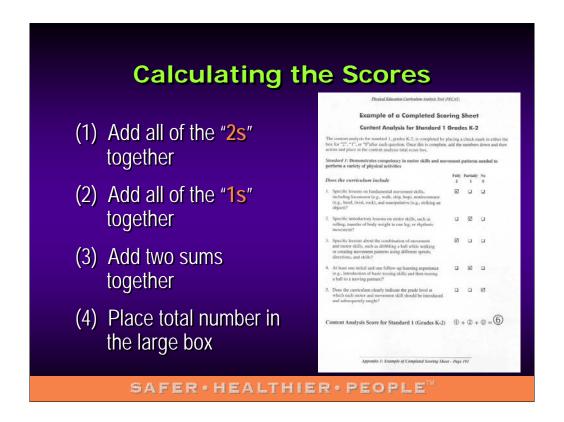
- 2 = Fully: one or more specific protocols + multiple levels of student competency
- 1 = Partially: one or more protocols but not multiple levels of student competency
- 0 = No: does not include any protocol

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Slide 39: Scoring for Student Assessment Analysis

The scoring criteria for calculating the scores for the Student Assessment Analysis are:

- •A score of 2 or "Fully", means that the curriculum includes one or more specific protocols for student assessment and multiple levels of student competency.
- •A score of 1 or "Partially", means that the curriculum includes one or more protocols for student assessment but not multiple levels of student competency.
- •A score of 0 or "No", means that the curriculum does not include any protocol for assessing student performance in this component (see example for grades K-2 on page 51 of the *PECAT*).

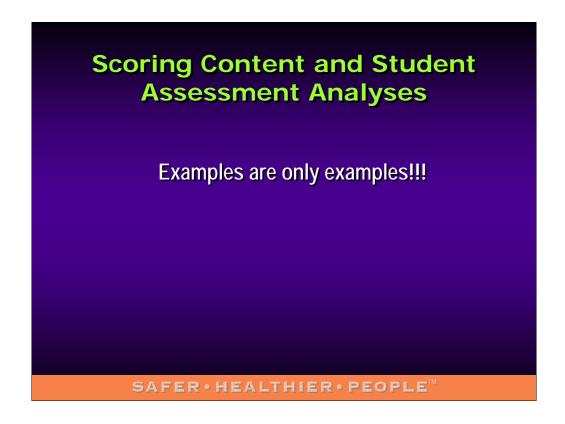


Slide 40: Calculating the Scores

To calculate the scores for the Content and Student Assessment Analyses, follow these steps:

- (1) To determine the total number of points, first add all of the "2" responses together. For example, if the curriculum received three "2" responses on the content analysis for standard 1, grades K-2, the total for that column would be 6.
- (2) Next, add all of the "1" responses together. If the curriculum received two "1" responses, the total for that column would be 2.
- (3) Finally, add these two sums together and place the number in the large box in the lower right corner of the scoring sheets.
- (4) The total score for this example would be 6.

Note to Trainer. See an example of a completed scoring sheet for Content Analysis on page 191 of the *PECAT*.



Slide 41: Scoring Content and Student Assessment Analyses

Key point: The examples provided in the *PECAT* for Content and Student Assessment Analyses items are just that—examples. They are not intended to be the only items that should be considered when determining the extent to which the curriculum addresses a specific component of a standard. When you answer each question, be sure to consider additional relevant examples.

Additional State or Local Standards

- What to do?
 - Use templates for Content and Student Assessment Analyses
 - Write standard
 - Identify 4 essential components
 - Enter score

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Slide 42: Additional State or Local Standards

What to do?

- For any additional state or local standards that differ from the national standards, a template follows each grade level range for both Content and Student Assessment. (For example, look at page 49 to see the template for <u>additional standards</u> for Content Analysis, Grades K-2; and page 63 for Student Assessment Analysis, grades K-2.) You will follow the same scoring system described previously, and you can complete as many templates as needed.
- Write out the entire standard.
- Identify four main components that are essential for students to know and be able to do in order to achieve the standard.
- Enter the score.

Physical Education Curriculum Analysis Tool (P	ECAT)			ore *	Physical Education. Curiscian Analysis Tool (PECAT) Template for Additional Standards for Student Assessment Analysis, Grades K-2 Standard: Write out the additional physical education standard below.							
Template for Additional Stan Content Analysis, Grade												
Standard: Write out the additional physical education standard be	elow:											
To complete the following section, identify the four main component to know or be able to do to achieve the standard. Proceed to determ curriculum addresses each with the same scoring system used through portfolly, or not at all. Question 5 for each additional standard within page for any additional standards.	nine how ughout ti	well the w	ritten (i.e., ful.		To complete the following section, identify the four types of protoc student knowledge and skills. Proceed to determine the extent to w includes these protocols with the same scoring system used throug partially, or not at all. Question 5 for each additional standard w this page for any additional standards.	hich the w hout the P	ritten curi ECAT (i.e.	riculum , fully,				
Does the curriculum include	Fully	Partially	Not		Does the curriculum include	Fully	Partially	No+				
	2	1	0		I.	2	1	0				
1	. 0						-	_				
					3	-	D	D				
2	0						u	u				
					3		n	D				
3	0	0	۵			_	_	_				
					4			0				
4	u	0										
5. Specific instructions that clearly indicate the appropriate grade level at which each protocol for student assessment should be conducted for the above components?	0	0	0		5. Specific instructions that clearly indicate the appropriate grade level at which each protocol for student assessment should be conducted for the above components?	٥	0	0				
should be conducted for the above components?							П		\Box			
Content Analysis Score (Add the total numbers for the total score and place score on scorecard, page 65.)		+ 🗆 +	. 🗆 :	SCORE	Student Assessment Analysis Score (Add the total numbers across for the total score and place score on scorecard, page 65.)	Δ.	+ 🗀 +	=	SCOR			
on science to page (5).) **Ext_for Scoring 2 **Fully: The carriculum sufficiently addresses each and every element of the capacitally addresses the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curriculum does not address the question; 0 **Not: The curr	uestion; 1	= Partially:	The curri	ulum	*Key for Scoring 2 = Pully: Includes 1 or more specific protocols for assessment and multiple le include 1 or more protocols but not multiple levels of competency; 0 = No: Do student performance.	vels of comp es not includ	etency; 1 = le any proto	Partially: col for ass	Does			
Grades K-2 - Page 49				(E 7	Grades K-2 - Page 63							

Slide 43: Templates for the Content Analysis and for the Student Assessment Analysis

Shown are the templates for the Content Analysis and for the Student Assessment Analysis for grades K—2, which can be found on pages 49 and 63 of the *PECAT*. Templates for each grade level are found in the respective grade level sections of the *PECAT* (e.g., for grades 3—5 see pages 85 and 89; for grades 6—8 see pages 121 and 135; and for grades 9—12 see pages 155 and 169).

Content and Student Assessment Analyses—What's Next?

Transfer score for each standard to the corresponding grade-level scorecards.

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Slide 44: Content and Student Assessment Analyses—What's Next?

When the Content and Student Assessment Analyses for each grade level are completed, you will transfer the scores for each standard to the Content and Student Assessment Analyses Scorecards, located at the end of the section for that grade level (see example for grades K-2 on page 65, shown on next slide #45).

STUDENT ASSESSMENT ANALYSES Grades K-2 To complete the scorecard for content and student assessment analyses (grades K-2), transfer the individual scores for each standard from the preceding pages. NATIONAL CONTENT STUDENT ASSESSMENT ANALYSIS SCORE 1 2 3 4 5 5 6 ADDITIONAL 5 5 6 ADDITIONAL 5 5 6 6 ADDITIONAL STANDARDS 5 6 6 6 6 6 6 6 6 6		DRECARD FOR CON	
To complete the scorecard for content and student assessment analyses (grades K-2), transfer the individual scores for each standard from the preceding pages. NATIONAL CONTENT STUDENT ASSESSMENT ANALYSIS SCORE	STU	DENT ASSESSMENT	T ANALYSES
NATIONAL CONTENT STUDENT ASSESSMENT ANALYSIS SCORE		Grades K-2	
NATIONAL CONTENT STUDENT ASSESSMENT ANALYSIS SCORE 1 2 3 4 5 6 ADDITIONAL	To complete the scorecard fo	r content and student assessme	ent analyses (grades K-2), transfer the
STANDARD ANALYSIS SCORE	individual scores for each sta	ndard from the preceding page	s.
2 3 4 5 6 ADDITIONAL		ANALYSIS	ANALYSIS
3 4 5 6 ADDITIONAL	1		
4 5 6 ADDITIONAL	2		
5 6 ADDITIONAL	3		
6 ADDITIONAL	4		
ADDITIONAL	5		
	6		
STANDARDS			
	STANDARDS	100000	
			as page 1707
Note: Add each of these scores to the overall PECAT scorecard on page 173.		Grades K-2 - Page 65	

Slide 45: Scorecard for the Content and Student Assessment Analyses

This is the blank Scorecard for the Content and Student Assessment Analyses for grade K-2 (page 65 of the *PECAT*).

Content and Student Assessment Analyses—What's Next?

 Transfer the scores for each grade-level and each standard to the Overall PECAT Scorecard

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Slide 46: Content and Student Assessment Analyses—What's Next?

Then, all of the scores on the Scorecards for each grade level should be transferred to the Overall *PECAT* Scorecard (page 173).

To complete the overall PECAT scorecard and examine strengths and weaknesses of a single curriculum, transfer e individual scores from the completed content and student assessment analyses scorecards to the corresponding loc	each of t	he		
		low.		
	Student Assessment Analysis Score for Each			
Grade	e Level			
R-2 3-3 0-8 9-12 R-2 3-3	6-8	9-12		
Standard #1 9 6 9 10 Standard #1 6 5	9	5		
Standard #2 8 7 7 9 Standard #2 7 8	9	9		
Standard #3 6 5 6 Standard #3 10 7	5	6		
Standard #4 7 7 6 7 Standard #4 8 5	5	5		
Standard #5 5 5 5 Standard #5 0 2	1	0		
Standard #6 6 5 6 6 Standard #6 0 2	a	2		
Additional Standards: Additional Standards:				
#1 #1				
#2 #2				
#3 #3				

Slide 47: Overall PECAT Scorecard

This is what a completed Overall Scorecard might look like. This form is found on page 173 of the *PECAT*.

Other considerations

- For each standard:
 - Identify answers with 2 points, as strengths.
 - Highlight answers with 1 or 0 points, as potential weaknesses or gaps.

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Slide 48: Other Considerations

For each standard, identify the answers that received 2 points and note those as strengths; next, highlight the answers that received 1 or 0 points and note those as potential weaknesses or gaps that need to be addressed in the curriculum improvement planning process.

Other considerations

- For each standard:
 - Review scores on scorecards per grade level analyzed.
 - Highlight discrepancies existing across two areas analyzed.
 - Determine where improvement is needed most.

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Slide 49: Other Considerations

Then, review the scores for each standard on the scorecards for each grade level analyzed. Highlight any discrepancies that exist across the two areas analyzed (e.g., considerably higher scores for content than for student assessment). This process can help determine where improvement is most needed (e.g., within content only, within student assessment only, in particular standards, on individual components, on specific grade-level ranges).

For Multiple Curricula Analyses

- Transfer all scores to PECAT Multiple Curricula Comparison Scorecard.
- Identify strengths and weaknesses of each curriculum.
- Select the strongest curriculum that meets local needs.

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Slide 50: For Multiple Curricula Analyses

If you are analyzing and comparing **multiple curricula**, transfer all content and student assessment analyses scores to the multiple curriculum scorecard located immediately after the individual *PECAT* overall scorecard (see pages 175 – 181). This will help you identify strengths and weaknesses of each curriculum and enable you to select the one that has strong scores and that will meet your local needs.

				GRA	DES K-2				
		CONTEN				STUDENT ASSESSMENT ANALYSIS SCORES FOR GRADES K-2			
	Curricula being analyzed				Curricula being analyzed				
	Name:	Name:	Name:	Name:		Name:	Name:	Name:	Name:
Standard #1					Standard #1				
Standard #2					Standard #2				
Standard #3					Standard #3				
Standard #4					Standard #4				
Standard #5					Standard #5				
Standard #6					Standard #6				
Additional Standards:					Additional Standards:				
#1					#1				
#2					#2				
#3					#3				
#4					#4				

Slide 51: PECAT Multiple Curricula Comparison Scorecard

Here is an example of the *PECAT* Multiple Curricula Comparison Scorecard for Grades K—2 (page 175 of the *PECAT*). The other grade ranges follow the same scorecard format.



Slide 52: Locally Developed Curriculum

For those users reviewing a **locally developed** curriculum, the Curriculum Improvement Plan, beginning on page 183, will guide the *PECAT* committee through the action steps needed to create a plan for improvement.

The Curriculum Improvement Plan should <u>not</u> be used if you are reviewing commercially developed curricula.

Curriculum Improvement Plan

- The Curriculum Improvement Plan guides users through a process of:
 - 1. Interpreting scores.
 - 2. Completing worksheet.
 - 3. Implementing the plan.
 - 4. Reassessing for improvement.

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Slide 53: Curriculum Improvement Plan

The Curriculum Improvement Plan guides users through a process of:

- •Interpreting and evaluating PECAT scores,
- •Completing the improvement plan worksheet (highlighting those areas that are most feasible to improve),
- •Implementing the improvement plan (that is, identifying recommendations, actions, and timeline); and,
- •Reassessing and striving for continuous improvement.

Identified weaknesses within PECAT results	PECAT Committee recommendations	Necessary actions	Persons responsible and completion dates	
				1

Slide 54: Curriculum Improvement Plan Worksheet

This is an example of the Curriculum Improvement Plan Worksheet (found on page 187 of the *PECAT*).

Curriculum Improvement Plan

- Follow through on Curriculum Improvement Plan:
 - Organize quarterly meetings.
 - · Discuss progress.
 - · Share progress with school officials.

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Slide 55: Curriculum Improvement Plan

- •Once the curriculum improvement plan is in place, you will continue to organize meetings, at least quarterly, to discuss progress made on the improvement plan.
- •You will need to schedule regular times for the *PECAT* committee, or the *PECAT* coordinator, to meet with appropriate school district administrators and school board members to share progress and heighten awareness of the curriculum needs for physical education.

Note to Trainer: If participants have questions about resources to help in implementing the actions determined in the curriculum improvement plan, direct them to the resources section of the *PECAT* (Appendix 4, pages 199 – 204),

Conclusions

- Use of the PECAT can provide valuable insight as to how well your curriculum aligns with national and/or state physical education standards.
- The Curriculum Improvement Plan should be utilized to guide your PECAT Committee through planning for revisions and enhancement to your curriculum.
- Identifying resources to assist with implementing the Curriculum Improvement Plan is an essential step.

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Slide 56: Conclusions

- •Using the *PECAT* can provide valuable insight as to how well your curriculum aligns with physical education standards.
- •Additionally, the Curriculum Improvement Plan should be utilized to guide your committee through planning for revisions and enhancement.
- •Finally, utilize the Resources section of the *PECAT*, NASPE's resource list for curriculum and instruction, and other materials and tools for physical education.



Slide 57: What's Next?

Now, let's look at a curriculum! (image of footsteps)

Note to Trainer. If copies of the *PECAT* are not provided to the participants, distribute copies of the analyses forms. Begin the *PECAT* process.



Slide 58: Thank you!