ABSTRACT

Portfolio process differs according to learners' purposes, audience, ownership, and the teacher's philosophical views of learning and evaluation. In a yearlong investigation of portfolio process, the teacher-researchers developed their own portfolios along with their students. This instructional resource illustrates a multi-purposed, multiple process view of portfolio assessment and suggests decision making that accompanies eight elements of portfolio process—questions, purpose, audience, expectations, collection, selection, organization, and reflection. Teachers are encouraged to develop their own portfolios along with their students as a way to model the process, reflect upon their teaching practices, and support students' ongoing learning. Contains 18 references and additional resources. (Author/RS)
Questions about Portfolio Processes

Ronald D. Kieffer
Mark A. Faust
University of Georgia

Linda Simpson Morrison
South Jackson Elementary School

Cheryl Hilderbrand
Jackson High School
NRRC Staff
Barbara F. Howard, Office Manager
Kathy B. Davis, Senior Secretary
University of Georgia
Barbara A. Neitzey, Administrative Assistant
Valerie Tyra, Accountant
University of Maryland College Park

National Advisory Board
Phyllis W. Aldrich
Saratoga Warren Board of Cooperative Educational Services, Saratoga Springs, New York
Arthur N. Applebee
State University of New York, Albany
Ronald S. Brandt
Association for Supervision and Curriculum Development
Marshá T. DeLain
Delaware Department of Public Instruction
Carl A. Grant
University of Wisconsin-Madison
Walter Kintsch
University of Colorado at Boulder
Robert L. Linn
University of Colorado at Boulder
Luis C. Moll
University of Arizona
Carol M. Santa
School District No. 5
Kalispell, Montana
Anne P. Sweet
Office of Educational Research and Improvement,
U.S. Department of Education
Louise Cherry Wilkinson
Rutgers University

Production Editor
Katherine P. Hutchison
University of Georgia

Dissemination Coordinator
Jordana E. Rich
University of Georgia

Text Formatter
Ann Marie Vanstone
University of Georgia
About the National Reading Research Center

The National Reading Research Center (NRRC) is funded by the Office of Educational Research and Improvement of the U.S. Department of Education to conduct research on reading and reading instruction. The NRRC is operated by a consortium of the University of Georgia and the University of Maryland College Park in collaboration with researchers at several institutions nationwide.

The NRRC's mission is to discover and document those conditions in homes, schools, and communities that encourage children to become skilled, enthusiastic, lifelong readers. NRRC researchers are committed to advancing the development of instructional programs sensitive to the cognitive, sociocultural, and motivational factors that affect children's success in reading. NRRC researchers from a variety of disciplines conduct studies with teachers and students from widely diverse cultural and socioeconomic backgrounds in pre-kindergarten through grade 12 classrooms. Research projects deal with the influence of family and family-school interactions on the development of literacy; the interaction of sociocultural factors and motivation to read; the impact of literature-based reading programs on reading achievement; the effects of reading strategies instruction on comprehension and critical thinking in literature, science, and history; the influence of innovative group participation structures on motivation and learning; the potential of computer technology to enhance literacy; and the development of methods and standards for alternative literacy assessments.

The NRRC is further committed to the participation of teachers as full partners in its research. A better understanding of how teachers view the development of
literacy, how they use knowledge from research, and how they approach change in the classroom is crucial to improving instruction. To further this understanding, the NRRC conducts school-based research in which teachers explore their own philosophical and pedagogical orientations and trace their professional growth.

Dissemination is an important feature of NRRC activities. Information on NRRC research appears in several formats. Research Reports communicate the results of original research or synthesize the findings of several lines of inquiry. They are written primarily for researchers studying various areas of reading and reading instruction. The Perspective Series presents a wide range of publications, from calls for research and commentary on research and practice to first-person accounts of experiences in schools. Instructional Resources include curriculum materials, instructional guides, and materials for professional growth, designed primarily for teachers.

For more information about the NRRC's research projects and other activities, or to have your name added to the mailing list, please contact:

Donna E. Alvermann, Co-Director  
National Reading Research Center  
318 Aderhold Hall  
University of Georgia  
Athens, GA 30602-7125  
(706) 542-3674

John T. Guthrie, Co-Director  
National Reading Research Center  
3216 J. M. Patterson Building  
University of Maryland  
College Park, MD 20742  
(301) 405-8035
About the Authors

Ronald D. Kieffer is an Assistant Professor of Language Education at The University of Georgia. He has taught for over 20 years in elementary school, middle school, and university classrooms and is currently teaching courses in early childhood language arts and children’s literature. His research interests focus on the composing process and classroom technology. He has co-authored articles on portfolio assessment with Mark Faust in the Forty-third Yearbook of the National Reading Conference and with Linda Simpson Morrison in Language Arts.

Mark A. Faust is an Associate Professor in Language Education at The University of Georgia, where he supervises teacher candidates and conducts classes in composition and literature. His research questions focus on response to literature and the reading practices of teenagers and adults. He is a co-author with Harold Vine of Situating Readers: Students Making Meaning of Literature.

Linda Simpson Morrison has been teaching for 16 years with learning-disabled students, second and third grade, and presently as an SIA teacher at South Jackson Elementary School, Jackson County, Georgia, where she team teaches in K–2 classrooms to support language arts instruction. Linda’s research interests include portfolio assessment and children’s responses to literature. Her collaborations with Ron Kieffer include a chapter in the book Exploring Blue Highways: Studying Literacy Reform in Teacher Research Communities.

Cheryl Hilderbrand is department chair at Jackson High School in Jackson, Georgia where she has taught language arts for 18 years. She has a B.S.Ed. from Tift College of Mercer University and a M.Ed. from Georgia State. She is currently working on her Specialist’s degree at The University of Georgia. Cheryl is interested in the reading process and how language arts teachers can create environments where reading and writing flourish.
Questions about
Portfolio Processes

Abstract. Portfolio process differs according to learners’ purposes, audience, ownership, and the teacher’s philosophical views of learning and evaluation. In our yearlong investigation of portfolio process, we developed our own portfolios along with our students. In this resource, we illustrate a multi-purposed, multiple process view of portfolio assessment and suggest decision making that accompanies eight elements of portfolio process—questions, purpose, audience, expectations, collection, selection, organization, and reflection. We encourage teachers to develop their own portfolios along with their students as a way to model the process, reflect upon their teaching practices, and support students’ ongoing learning.

I think that creating a portfolio is a really creative act and it’s something that starts taking on a life of its own. That’s what any kind of piece of art does. It takes on a life of its own. And it uses all of the language arts, reading, writing, thinking, processing, and bringing things together in a way that creates something new almost. I think it is a process, but I think it is a process that changes, that’s hard to define. I really do think it can be a way for teachers to change and become better teachers because it really changes the focus of what we do in the classroom. (Cheryl Hilderbrand, High School English Teacher, March 11, 1994)
Cheryl expressed an idea that is rarely discussed in writings about portfolios, that is, creating a portfolio is a process. Furthermore, she suggests that creating a portfolio is a process that changes. We support the notion that portfolio assessment is a process that is ongoing, flexible, nonlinear, multidimensional, and hard to define.

We have explored portfolio process for one year by developing our own portfolios along with our students. In this resource, we will clarify the concept by describing eight aspects or elements (questions, purpose, audience, expectations, collection, selection, organization, reflection) that can aid teachers as they move forward into portfolio assessment. Since we support a multipurposed, multiple process view to portfolio evaluation in schools, we will suggest some decision making that accompanies these elements without providing a single-minded perspective.

Rationale

Teachers and students in school classrooms have used portfolios in a variety of ways. Portfolios have been characterized as reliable assessments that are tools for teachers and students to document evidence of learning and progress toward curricular goals. Portfolios create contexts where teachers learn more about their students, enabling them to provide responses that promote individual growth. They also are portraits, stories, or histories of students as literate persons. Portfolios differ according to their
specific purposes, who owns the process, what audience it is directed to, and the teacher's philosophical views of learning and evaluation.

We have found that doing our own teacher portfolios has offered us ways to model the learning process so students can learn how to see themselves as learners engaged in similar processes. Portfolios can be used to foster teachers' self-knowledge about past and current teacher and learner practices. They also enable teachers and students to focus on change in ways that support learning.

There are multiple possibilities for implementing portfolios depending upon the circumstances of each class. We are not suggesting a particular way of using portfolios, but are attempting to identify the kinds of questions that can be asked in the form of curricular decisions. We believe that portfolios can help teachers transform their classrooms into more coherent and supportive learning environments when they think about the concept of portfolio as a process, create portfolios of their own as ways to learn about the process over time, and include their students as responsible learning partners within the social context of the classroom community. Therefore, we offer eight aspects of the portfolio process for teachers and students to consider.

Questions

The process of creating a portfolio, as we see it, begins with questions about purpose and audience,
questions about what students are learning and why: What did we experience? What did we learn? What is the value of what we learned? Why did we learn what we learned? What will we do next? For what particular purpose are we creating this portfolio? What audience will view this portfolio?

Without initially realizing the importance of questions to portfolio process, Linda, a second-grade teacher, spent time thinking about her own portfolio and asking key questions to guide her creation.

Well, I did have a chance today to do a little reflection, and it occurred to me that I would probably be wise just to focus on one thing and try to represent myself as a teacher, or as a learner. Trying to do a whole life portfolio, how could I ever have the time to do that? And I thought, well, for what purpose am I doing this? I could be doing it just for personal satisfaction, just for the enjoyment of gathering items and thinking about them. What else could I be doing it for? For research? So, a lot of it depends on what is the purpose? Why do this? And that's something I have to think about pretty carefully. (12/23/93)

As students and teachers begin to reflect upon what is happening in their classroom, questions about learning lead to questions about the physical portfolio object: What expectations do students and teachers have about portfolios? What happens during the collection period? How will learners select and arrange evidence of their learning? What is the role of reflection
in the portfolio process? We have found that questions about the physical portfolio object are premature if not preceded by questions about learning and evaluation.

**Purpose**

The portfolio begins to take shape as learners select and arrange evidence of their learning with a particular purpose and a particular audience in mind. Cheryl considered this carefully when implementing portfolios in her high school English class.

What's been informing my teaching is the knowledge that [the students are] going to have to prove what they learned and therefore, I have to make sure that they’ve learned something. So we’re going to talk about the need for evaluation, what would be a good way to do that. We’re going to talk about evaluation, and we’re going to talk about audience and purpose. Then we’re going to look at what we have done and get in groups and then make a big list of what the semester has included from the music that we’ve listened to, the museums that we’ve visited, paintings that have meant things, responses and formal writing, informal writing, and reading. And then, from that, negotiate from them. But the purpose, I think, is most important. What have I learned, and how can I share with someone what I’ve learned? And how have I grown as a student? (12/14/93)

By connecting the portfolios to learning, Cheryl suggests that portfolios can serve multiple purposes...
including tools to judge progress, vehicles for response, and narrative accounts of students as readers, writers, and thinkers. She is interested in helping her students examine their growth over time. Generating a narrative account of learning gives learners the opportunity to look back and discover new truths about themselves. Responding to learners in genuine ways can allow the chance for students to look ahead. The purposes of responding and accounting complement each other by helping learners recount experiences and make connections through journal writing, conferences, reflection, and self-evaluation. As students look back at their learning, they position themselves to look forward toward future goals.

Audience

Those who are given ownership of their portfolios benefit from chances to show what they have accomplished in the past and what they are capable of doing in the present and future. They benefit from self-reflection and self-awareness as well as from giving meaningful responses to others and receiving such responses to their own reading and writing. Portfolios offer a place for students to gather a variety of responses (support, celebration, questions, comments, criticisms) from a variety of sources (peers, teachers, parents, self, and other audiences) satisfying the need to communicate to others or themselves either orally or through written reflections.
The public audience, classmates, future employers, admissions agents at a college/university, and so forth, and the private one serving primarily oneself sometimes conflict with each other. Linda has struggled with this issue.

I was thinking about audience for the teacher portfolio, and obviously there's a professional audience for the information about it. But your own personal portfolio, who is the audience beyond yourself? And what parts of it would lend themselves to being shared professionally? Would it be understood? What parts would be meaningful?  

(5/24/94)

Linda prefers to share her portfolio with a few friends and colleagues rather than a larger audience. Teachers need to give their students these kinds of choices as well.

*Expectations*

The student and teacher negotiate the logic of the portfolio. Initial expectations are often open-ended to foster student choice, ownership, and self-evaluation, but teachers need not be isolated from the portfolio process. They can serve as collaborative partners who help students select items, respond in ways that help learners pursue goals, and support the gathering of students' stories. Rief (1992) writes about external criteria (the teacher agenda) and internal criteria (student’s choices of pieces for their own reasons).
Students retain ownership by determining their internal criteria, but teachers can set some external criteria by collaborating with students to decide when and to what extent work will be revised, reworked, and evaluated, by providing responses to students' ideas, and by promoting students' self-evaluations of process and product. Cheryl realizes the importance of negotiation when setting expectations.

I want to negotiate with them. We want to talk about purposes of portfolio. I hope they will see it as a learning thing, a self-evaluation of what they've done and where they've been. And we'll talk a lot about what the purposes are and how we can achieve these purposes, and then we will, together, set criteria about what will be included and I will say that there must be a rationale for the things that are included and maybe some kind of introduction. (10/5/93)

Cheryl has allowed for both internal and external criteria. The setting of expectations is meant to be a collaborative act with multiple voices working together to set goals.

Collection

Initially, the portfolio is a collection of student work that grows into a representation of the individual as a learner. Collection is an ongoing process as students find and create new items. Linda helps her second
Graders collect portfolio items from their process folders at the end of the first grading period.

I'm still trying to come up with a way to make that something that's more central to the classroom in terms of the kids seeing the value in collecting things so that you can get a picture of yourself. And I think as we get closer to the end of this first quarter, there will be opportunities to do that because they will have some things collected... It's just a way for me to get them to look at what they're doing and decide what needs to be kept. What should I collect? What should I put aside? The last time that we did work together on deciding what to put in the portfolio, I think I said something like, "You might want to look for your very best piece from this week, or you might want to look for your favorite piece." (10/5/93)

In Linda's classroom, students' collections are related to certain purposes or concerns (e.g., best piece, favorite piece). As the purposes change, so will the need to periodically collect new portfolio items from created works.

Selection

The portfolio is not a place for everything that is created or collected by the students. It contains selected pieces for multiple reasons or purposes such as pivotal pieces (Tierney, Caner, & Desai, 1991), ones that have had a great impact on someone's learning, process pieces including drafts, showcase pieces,
satisfying and unsatisfying pieces, memories and mementos, goals and celebrations. A critical aspect of the portfolio process resides in the owners' selections of pieces that represent themselves as learners.

Selection involves both narrowing from a wide array of items to broadening so that the final form represents the whole person. Linda used modeling to get that idea across to her second graders.

The focus right now is on getting the kids to start creating portfolios and getting them to see it as more than just a collection of good papers. So, I modeled selecting something to put in my portfolio from some of the things that I have written recently, and just sort of talked through the process that I went through as I made my decision. And the piece that I chose was a story that I wrote about my brothers. (10/5/93)

Linda's own portfolio helped her to work through the portfolio process with her students. She did not assume that her students could naturally select items for their portfolios. Instead, she demonstrated the idea by thinking about it aloud so that her students could then practice selection over time.

**Organization**

When organization becomes a critical issue, it can be a major obstacle for portfolio creators. Focusing one's purpose in a format that makes sense to the
owner is a very difficult concept to think about and implement as Cheryl points out.

Well, from the beginning, what I have been most interested in is the idea I’d have to focus this. It just seems totally overwhelming to try to include everything in one organized thing. And I’m really more interested right now in what I started out doing from the beginning—keeping a record and a journal of what I observe after I go through this process, and what I observed going on in the classroom, and my reflections on what seems to be happening to me as the teacher when I make these changes. That’s what I think the portfolio should focus on. That’s what I want to focus on. And that’s what I have—mostly writings, but some records of things that I have done, and some things that are just a natural part of the process as you change as a teacher. But I can see thinking about portfolio as assessment and evaluation has changed, made my teaching different, and I think better, and I think I would like to do a portfolio that reflects that. (12/14/93)

Cheryl realizes that learners use different ways of organizing portfolios to support certain purposes. A showcase portfolio, one with exemplary pieces of work, could serve the judging purpose. A process portfolio, one that shows growth over time, allows teacher and peer response. A literacy portfolio (Hansen, 1992) builds a picture or story of one’s life as a continual learner. A composing portfolio supports the reading, writing, listening, and speaking connection, and an
integrated portfolio connects learning across content areas. For some, the portfolio follows life themes as it becomes a part of each creator's world outside of the classroom, something that they plan to continue adding to over time. The idea of a "layered" portfolio is a portfolio that deliberately targets more than one audience (e.g., stakeholders in the evaluation process— including self as audience). These different ways of organizing the portfolio ultimately relate back to portfolio authors' purposes, audience, collection, and selection.

Reflection

Students use portfolios to enhance their meaning making. When a student composes oral and written reflections exploring the meaning of portfolio items, a mere collection of selected items is transformed into a potentially powerful document representing that student as a self-aware learner.

In order to grow and be ready for these profound experiences and be open to them, you have to have established the process of self-evaluation and looking at yourself—where am I and what am I doing, and maybe that's the most important part of portfolio, getting back to reflection, but where you are aware of here is where I am and here is where I want to go, because some people go through their life just totally unaware that they can make any changes in themselves. (Cheryl, 12/14/93)
For Cheryl, and the rest of us, reflection is the core of the portfolio process. Without it, a portfolio would merely be a scrapbook of items.

We believe that a thoughtful combination of collection, selection, and reflection of worthwhile learning experiences constitutes a highly flexible and multidimensional strategy for helping learners participate in documenting and evaluating their own learning. Through reflection, the students are going public with their individual responses, explaining their selections, documenting memories, and exploring other possibilities about reading, writing, and thinking. They consider the processes involved in creating a work, set lifelong learning goals, self-evaluate, and discover profound realizations about growth and change. These reflections enhance students' experiences and validate the continuation of their learning. Perhaps the greatest value of portfolios is situated in their use to document and reflect upon change.

An Invitation

Looking back at our own creations, we see unfinished portfolios and understand that the portfolio process supports and informs ongoing learning. Portfolios create purposeful opportunities for us as learners to feel a sense of personal investment in reading and writing processes, creating lasting impacts on our lives. Portfolios help us realize how and why our teaching practices have evolved in certain directions, and they enhance our ability as teachers to make life-affirming
decisions in our relations with our students. Most importantly, our portfolios have reminded us that we, as teachers, learn best by exploring the same experiences as our students.

We would like to extend an invitation to those who are interested in portfolio process to develop their own portfolios along with their students or colleagues. These portfolios could be reflections of past learning, reflections of teaching, ways to model processes with students, or ways of looking to the future. As you share your portfolios with others, your conversations will enhance your understanding of multiple portfolio purposes and processes and help create a vision for further exploration into the connections between portfolios and learning.

Author Note. This work was also supported, in part, by The Spencer Foundation, Chicago, Illinois, under their Small Grants Program.

References

Additional Resources


Useful Addresses

NRRC - University of Georgia
318 Aderhold
University of Georgia
Athens, Georgia 30602-7125
(706) 542-3674 Fax: (706) 542-3678
INTERNET: NRRC@uga.cc.uga.edu

NRRC - University of Maryland College Park
3218 J. M. Patterson Building
University of Maryland
College Park, Maryland 20742
(301) 405-8035 Fax: (301) 314-9625
INTERNET: NRRC@umail.umd.edu
The work reported herein was prepared with partial support from the National Reading Research Center of the University of Georgia and University of Maryland. It was supported under the Educational Research and Development Centers Program (PR/Award No. 117A20007) as administered by the Office of Educational Research and Improvement, U.S. Department of Education. The findings and opinions expressed here do not necessarily reflect the position or policies of the National Reading Research Center, the Office of Educational Research and Improvement, or the U.S. Department of Education.