



United States Department of Education

- President Clinton's Education Technology Initiative
- Technology Innovation Challenge Grants
- Five-year Projects
- Over 80 Awards since 1995

... one of 19 awards in 1997

CAREER CONNECTION TO TEACHING WITH TECHNOLOGY
A-TECH, FORT LEAVENWORTH, MAINLAND, MARIAL ARTS, OMAHA NORTH, SPRAYBERRY

The logo for Career Connection to Teaching with Technology (CCTT) features the acronym 'CCTT' in large, bold, grey, 3D-style letters. To the left of the acronym, the full name 'CAREER CONNECTION TO TEACHING WITH TECHNOLOGY' is written in a smaller, italicized, grey font. Below this, a list of school names is also in a smaller, italicized, grey font: 'A-TECH, FORT LEAVENWORTH, MAINLAND, MARIAL ARTS, OMAHA NORTH, SPRAYBERRY'.

First year funding of [\\$1,345,777](#)

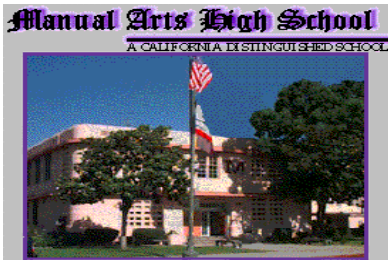
Five year award of [\\$6,527,645](#)

Grant Objectives:

- 1. Identify reading, writing, mathematics and science achievement standards, benchmarks and accountability measures for students.**
- 2. Create a career connection to integrated core academic studies that increases the relevancy and authenticity of learning.**
- 3. Train teachers and students to access and utilize existing technologies, to create original instructional materials, and to collaborate with business partners in co-development of resources.**
- 4. Contribute to national educational networks using telecommunications to disseminate products and best practices.**

Who We Are

Manual Arts High School
Los Angeles, CA
Hub Site Manager:
Michael Lovelady



Manage curriculum content:
Language Arts/ESL

Fort Leavenworth USD #207
Fort Leavenworth, KS
Hub Site Manager:
Cindy Olesen



Manage curriculum content:
Grades K - 8

North High School
Omaha, NE
Hub Site Manager:
Elaine Westbrook



Manage curriculum content:
Science

Advanced Technologies Academy
Las Vegas, NV
Hub Site Manager:
George Breaz



Manage Curriculum Programs:
Applications and Training

Sprayberry High School
Marietta, GA
Hub Site Manager:
Bob Downs



Manage curriculum content:
Social Studies

Mainland High School
Daytona Beach, FL
Hub Site Manager:



Manage the grant project and
curriculum content:
Mathematics

National Standards Content With a Purpose

• ***TIES: Technology Information and Educational Services***



National Curriculum Experts from NCTM, NCSS, NSTA, NCTE, AECT; Documentation/APA; Professional development and training

• ***IST: Institute for Simulation and Training/UCF***

RAVEN 3D Algebra Software Development



New Projects: Connections and Partners



Filters for selecting enduring understandings?

Represent a big idea having enduring value beyond the classroom.

Reside at the heart of the discipline (involve "doing" the subject").

Require uncoverage (of abstract or often misunderstood ideas).

Offer potential for engaging students.

Credit:
Grant Wiggins

"Enduring" Understanding

Curricular Priorities and Assessment

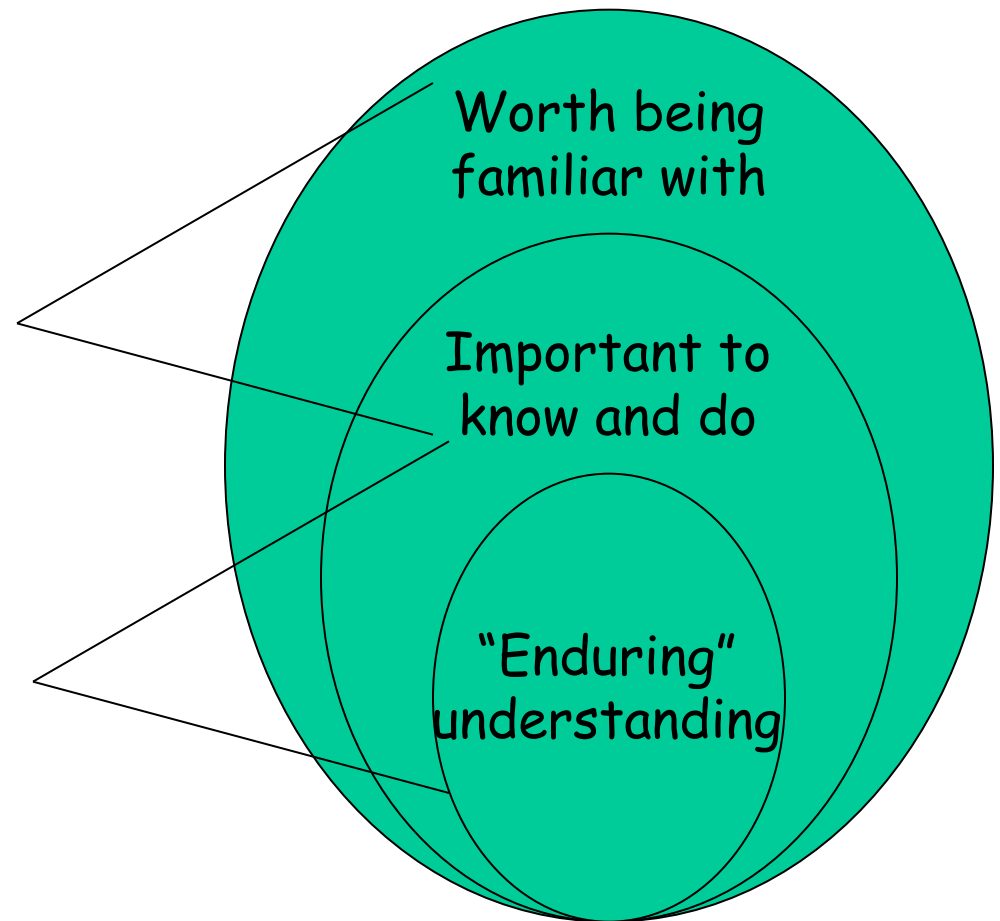
Assessment Types:

• *Traditional quizzes and tests*

- Paper/pencil
- Selected response
- Constructed response

• *Performance tasks and projects*

- Open - ended
- Complex
- Authentic



Credit:
Grant Wiggins

The Process

Teacher Prepares Unit Proposal



To Site Content Specialist



Needs Revision



Approved



To National Content Specialist



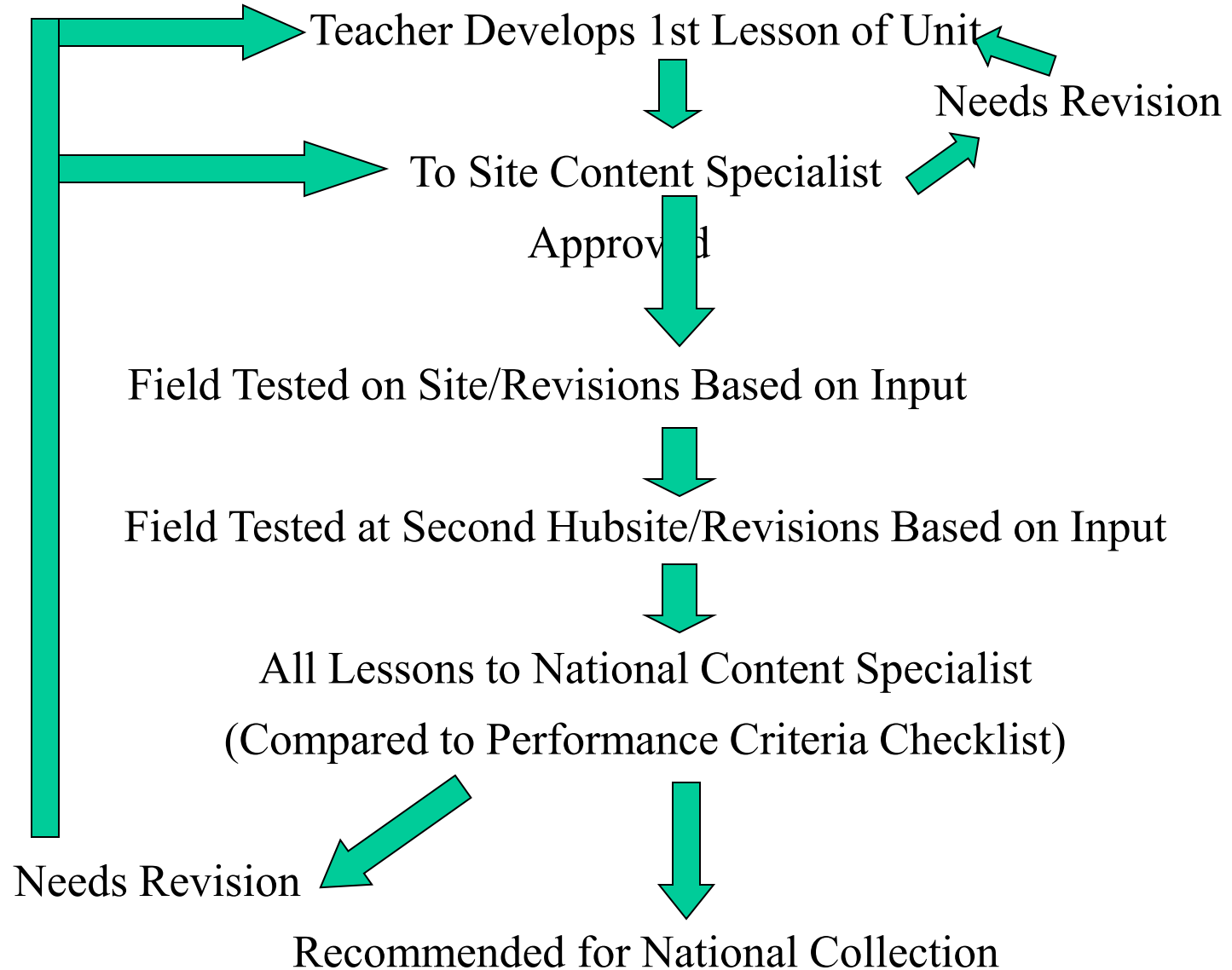
Needs Revision

Approved



Teacher Develops Full Unit

THE PROCESS (con't.)



Preliminary Checklist

The Preliminary Checklist helps teachers define their proposed plan or idea for a unit. The checklist is completed by hub site teachers, sent by e-mail or hard copy to the hub site manager, and forwarded to the content specialists.

- Unit Title/Grade Level:
 - What do you want the students to know and be able to do (the fundamental understandings)?
 - Which national standards (content, technology, and information literacy standards) do the fundamental understandings align with, and how?
 - What is the relevance and significance of these fundamental understandings?
 - Assessment-how will you know that the students have learned?
- What is the context for this learning? (Prior and future understandings as well as developmental appropriateness.)
 - What are the components of your unit and how will each component contribute to the learning of all students?
 - URL where currently located.
 - Workforce competencies.
 - Cross-curricular connections.
 - Acknowledgments.

Exemplary Products Checklist

FOCUS WILL BE ON:

- what students are learning rather than on what teachers are teaching
- using effectively the technologies that dominate the greater society
- information
- cutting-edge content
- customized curriculum units

THE CHECKLIST IS:

- directed at fostering the development of standards-based, technology-rich content for 21st Century learning centers
- directed at ensuring that essential concepts of the core disciplines - what students should know and be able to do-form the basis of the unit
- organized around several components:
 - general considerations
 - student learning
 - assessment
 - technology

Collaborative Projects

Regional and School Projects



CCTT ADVISORY COMMITTEE

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Social Security Administration
Jacksonville, FL

Ms. Mary Bruno

Director Vocational Education
Volusia County School District
Daytona Beach, FL

Dr. Robert Carlson

Director Management Services
Council of Great City Schools
Washington, DC

Mr. Bob Coleman

Regional Manager
Florida Power & Light
Daytona Beach, FL

Mr. David Crippens

Senior Vice President
Educational Enterprises - KCET
Los Angeles, CA

Dr. Tom Devlin

Superintendent
Unified School District 207
Fort Leavenworth, KS

Ms. Charlotte Frank

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