

Dynamic Delivery: Sharing Learning Outcomes Results Across the University

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Presentation Overview

Context

- Institutional Profile
- Effective Assessment and Overcoming Barriers

The USC Aiken Rising Junior Writing Portfolio

Development and Logistics

GEORGE: General Education Outcomes

Report Generator

- Demonstration
- Specifications

How Results are Used to Change Curriculum



USC Aiken Institutional Profile

- Ranked #1 public Baccalaureate-General institution in South in 2005
- ➤ 30 undergraduate programs, 3 graduate programs
- ➤ Headcount = 3,303
- ➤ FT Faculty = 153
- NCAA Division II (Reigning three time men's golf nat'l champs)

The Problem

Assessment that produces results that no one uses is a waste of time.



- Assessment must:
 - 1. Produce useful results.
 - 2. Pertain to learning outcomes developed by faculty.
 - 3. Be manageable.



Barriers to Conducting Effective Assessment

> Limited resources

Limited expertise

Limited motivation



The Solution

- Once meaningful assessment process is developed by faculty:
 - Connect assessment data to unit record enterprise data
 - Deliver results to faculty online with basic analysis tools
 - Make it simple enough for an internet shopper to use.

Junior Writing Portfolios: Conceptual Design

- Pre-requisites / Graduation Requirement
 - Stakes are attached
- Process-oriented / Freshman to Junior years
 - Skills are applied over time



- Cover essay explains choices
- Goal-oriented / Holistic and Analytic Outcomes
 - Six goals for writing competency
 - 3.0 overall score required





Writing Outcomes/Evaluative Rubric

- **Clarity of Purpose:** Students will demonstrate the ability to establish a clear purpose (thesis or announced intent) and an appropriate awareness of audience (reader).
- **Quality of Thought:** Students will demonstrate a level of rational thought that recognizes and examines complexity of ideas and is supported by credible and logical evidence.
- **Organization of Content:** Students will demonstrate effective unity, coherence, and general arrangement of content, all in the appropriate support of purpose.
- **Use of Sources:** Students will demonstrate correct and effective use of sources with clear attribution and accurate documentation.
- **Language and Style:** Students will demonstrate the ability to make stylistic choices in vocabulary, diction, and syntax.
- **Grammar and Mechanics:** Students will demonstrate competence in grammar, usage, punctuation, and spelling.

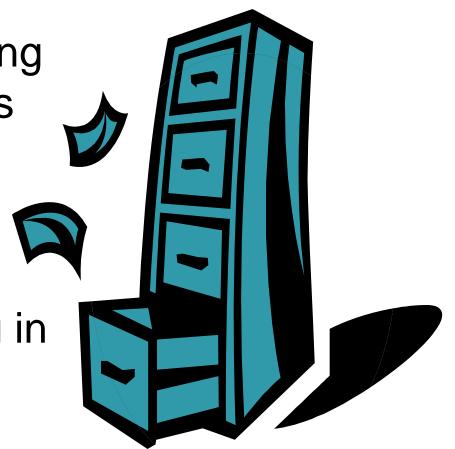
Logistics of Writing Portfolio

- Three course related graded papers and reflective essay
- Submitted in University writing center at 60+ hours
- Fall, Spring, and Summer evaluations
- Two graders with all discrepancies settled by 3rd reader
- Administrative fees / portfolio kit / required for submission
- Readers assess student competency for each of the six goals on a scale of 1 to 5. Minimum aggregate score of 3 (out of 5) to pass
- Students who do not pass may appeal and resubmit or choose to take AEGL 201: Writing in the University; failure on appeal requires 201

Writing Portfolio Deployment Timeline

➤ 1996-2003: Data collection using paper rating sheets & filing cabinets

➤ Development of AEGL 201: Writing in the University



Deployment Timeline Continued

- 2003-04 Office of Institutional Effectiveness begins development of web-based data delivery system.
- 2004-05 Web interface launched for general education assessment.
- ➤ 2005-06 Additional general education competencies begin to be added to system.



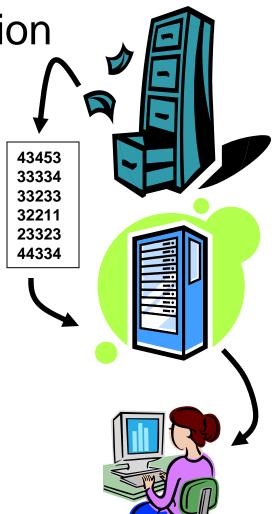
Goals of the Web Interface

> Transform data into information

Deliver information publicly

> Facilitate curricular change

> Expand faculty investment



Web Interface Link

- > Link to web tool:
 - http://ie.usca.edu/facstaff/
 - (Password protected)

Link to USCA IE Office Web Site:

- http://ie.usca.edu/
- Click on "Interactive Tools"



Institutional Effectiveness Home

Pacer Dash: USCA Dashboard

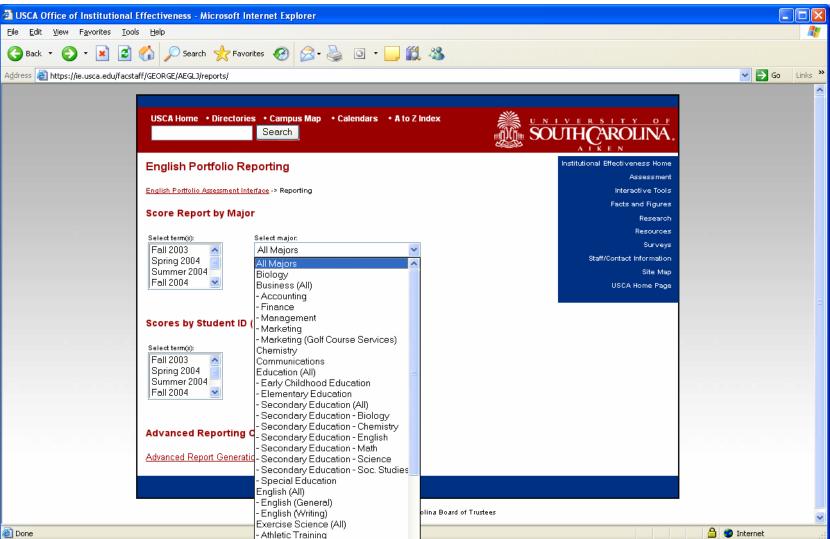
Assessment

Research

Interactive Tools

Facts and Figures

All Majors Report



All Majors Report

English Portfolio Score Report for All Majors Term(s): Fall 2003, Spring 2004, Summer 2004, Fall 2004, Spring 2005, Summer 2005, Fall 2005, Spring 2006

	Clarity of Purpose	Quality of thought	Use of sources	Organization of Content	Language and Style	Grammar and Mechanics	Aggregate
Below 2.0	1	1	27	3	8	22	5
2.0-2.49	19	25	80	17	63	84	43
2.5-2.99	43	54	116	60	90	101	139
3.0-3.49	498	493	550	514	566	623	666
3.5-3.99	364	362	270	366	310	292	301
4.0-4.49	300	268	213	271	218	162	145
4.5-5.0	118	140	83	112	87	59	44
Total	1343	1343	1339	1343	1342	1343	1343
Mean	3.47	3.46	3.22	3.43	3.3	3.18	3.34
Std. Dev.	0.58	0.6	0.69	0.58	0.62	0.62	0.53
Std. Error	0.016	0.016	0.019	0.016	0.017	0.017	0.014

Business Majors Report

English Portfolio Score Report for Business Majors Term(s): Fall 2003, Spring 2004, Summer 2004, Fall 2004, Spring 2005, Summer 2005, Fall 2005, Spring 2006

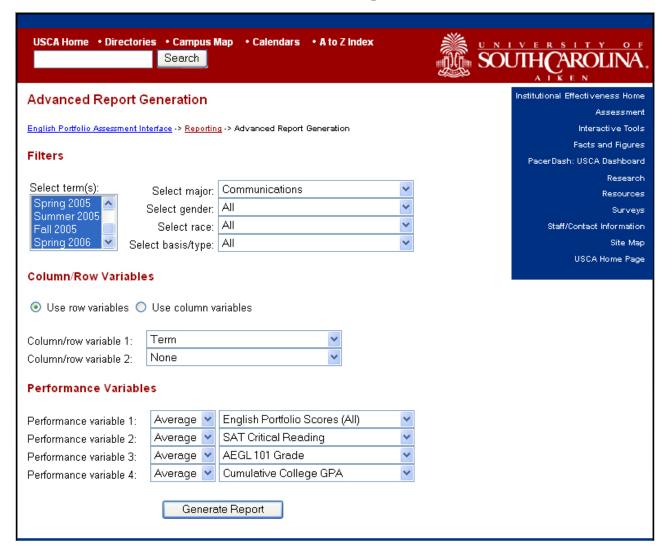
	Clarity of Purpose	Quality of thought	Use of sources	Organization of Content	Language and Style	Grammar and Mechanics	Aggregate
Below 2.0	1	0	3	0	0	3	0
2.0-2.49	3	4	32	2	15	25	10
2.5-2.99	14	10	43	16	26	27	37
3.0-3.49	153	150	163	163	178	192	213
3.5-3.99	108	123	67	103	90	82	81
4.0-4.49	73	64	48	69	43	34	22
4.5-5.0	16	17	11	15	16	5	5
Total	368	368	367	368	368	368	368
Mean	3.38	3.39	3.11	3.37	3.23	3.11	3.26
Std. Dev.	0.52	0.5	0.62	0.5	0.54	0.53	0.44
Std. Error	0.027	0.026	0.032	0.026	0.028	0.028	0.023

Sociology Majors Report

English Portfolio Score Report for Sociology Majors Term(s): Fall 2003, Spring 2004, Summer 2004, Fall 2004, Spring 2005, Summer 2005, Fall 2005, Spring 2006

	Clarity of Purpose	Quality of thought	Use of sources	Organization of Content	Language and Style	Grammar and Mechanics	Aggregate
Below 2.0	0	0	6	2	1	7	2
2.0-2.49	1	3	8	4	15	6	9
2.5-2.99	12	10	10	3	3	7	14
3.0-3.49	33	36	30	36	40	39	38
3.5-3.99	15	18	12	18	10	14	8
4.0-4.49	12	5	8	12	6	4	6
4.5-5.0	4	5	2	2	2	0	0
Total	77	77	76	77	77	77	77
Mean	3.24	3.18	2.91	3.2	2.95	2.88	3.06
Std. Dev.	0.56	0.56	0.78	0.59	0.63	0.64	0.53
Std. Error	0.064	0.063	0.089	0.068	0.072	0.073	0.06

Advanced Reporting Features



Advanced Report: Race & Gender

English Portfolio Report

Average English Portfolio Scores, Average SAT Critcal Reading Score, Average High School % Rank, Average Cumulative Collegiate GPA

for All Students by Race, Gender

Term(s): Fall 2003, Spring 2004, Summer 2004, Fall 2004, Spring 2005, Summer 2005, Fall 2005, Spring 2006

Race	Gender	# of Students	Average Clarity of Purpose Score	Average Quality of thought Score	Average Use of sources Score	Average Organization of Content Score	Average Language and Style Score	Average Grammar and Mechanics Score	Average Aggregate Score	Average SAT Critcal Reading Score	Average High School % Rank	Average Cumulative Collegiate GPA
White (Non- Hispanic)	F	659	3.56	3.57	3.34	3.53	3.4	3.28	3.45	512	25	3.19
	\mathbf{M}	324	3.52	3.51	3.23	3.46	3.32	3.21	3.37	514	37	2.99
American Indian/Alaskan Native	F	1	4	4.5	4	4.5	4.5	4	4.25	550	19	2.86
	\mathbf{M}	1	4	4.5	3.5	4	4	4	4	550	4	3.34
Black/African- American	F	222	3.18	3.1	2.96	3.13	2.98	2.87	3.04	430	28	2.67
	\mathbf{M}	60	3.19	3.18	2.77	3.21	2.99	2.86	3.03	438	42	2.77
Asian/Pacific Islander	F	6	3.92	4.17	3.83	3.92	3.75	3.5	3.84		34	3.55
	\mathbf{M}	5	2.8	3.3	2.3	3	2.9	2.5	2.8	462	26	3.02
Hispanic	F	11	3.32	3.36	3.32	3.45	3.14	3	3.26	510	25	3.09
	M	10	3.65	3.69	3.09	3.7	3.25	3.05	3.4	532	21	3.16
Race Not Reported	F	29	3.62	3.72	3.38	3.62	3.53	3.47	3.56	494	33	3.28
	\mathbf{M}	14	3.57	3.5	3.29	3.5	3.36	3.21	3.4	485	45	2.96
Other	F	1	3	3	3	3	3	3	3	390	49	2.72

Advanced Report: English 101 Grade

English Portfolio Report

Average English Portfolio Scores, Average SAT Critcal Reading Score, Average High School % Rank, Average Cumulative Collegiate GPA

for All Students by AEGL 101 Grade

Term(s): Fall 2003, Spring 2004, Summer 2004, Fall 2004, Spring 2005, Summer 2005, Fall 2005, Spring 2006

AEGL 101 Grade	# of Students	Average Clarity of Purpose Score	Average Quality of thought Score	Average Use of sources Score	Average Organization of Content Score	Average Language and Style Score	Average Grammar and Mechanics Score	Average Aggregate Score	Danding	Average High School	Average Cumulative Collegiate GPA
A	116	3.77	3.71	3.54	3.68	3.58	3.44	3.62	521	24	3.42
B+	71	3.49	3.58	3.36	3.49	3.35	3.27	3.42	503	23	3.13
В	202	3.43	3.4	3.14	3.37	3.25	3.14	3.28	485	32	2.9
C+	52	3.37	3.41	3.22	3.27	3.2	3.09	3.26	460	39	2.74
С	112	3.26	3.26	3.07	3.28	3.08	2.93	3.14	456	37	2.61
D+	5	3	3	2.75	3.1	3	2.9	2.96	450	48	2.27
D	3	3	3	2.33	3.33	2.67	2.33	2.78	486	48	2.52
F	13	3.62	3.62	3.19	3.46	3.5	3.19	3.43	580	18	3.33
Unknown	769	3.48	3.47	3.21	3.45	3.3	3.18	3.35	504	26	3.09

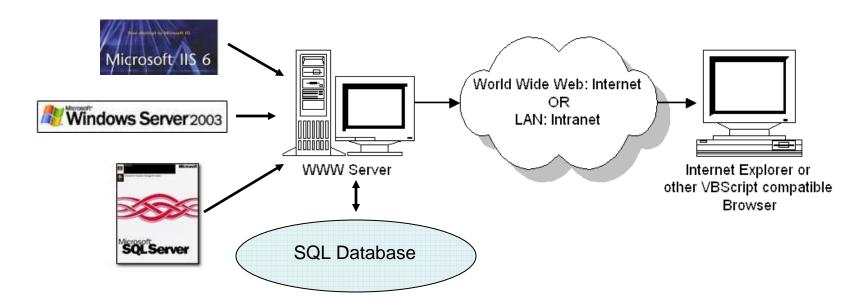
Return to Advanced Reporting Options

Advanced Report: By Term

Тегт	# of Students	Average Clarity of Purpose Score	Average Quality of thought Score	Average Use of sources Score	Average Organization of Content Score	Average Language and Style Score	Average Grammar and Mechanics Score	Average Aggregate Score	Average High School % Rank
Fall 2003	195	3.51	3.59	3.31	3.54	3.46	3.33	3.45	27
Spring 2004	195	3.34	3.4	3.15	3.38	3.23	3.15	3.27	27
Summer 2004	65	3.51	3.52	3.11	3.49	3.33	3.26	3.37	31
Fall 2004	223	3.39	3.46	3.12	3.35	3.22	3.08	3.27	31
Spring 2005	186	3.46	3.44	3.23	3.44	3.22	3.1	3.31	29
Summer 2005	56	3.48	3.32	3.25	3.32	3.2	3	3.26	35
Fall 2005	212	3.62	3.51	3.35	3.54	3.39	3.29	3.45	26
Spring 2006	211	3.49	3.4	3.22	3.39	3.27	3.14	3.32	32

System Specifications

- Windows Server 2003 backend with Internet Information Server 6 (IIS6) and MS SQL Server 2003
- Interface implemented with Active Server Pages using VBScript



Database Sources and Design

Integrates enterprise data with converted MS Excel files provided by Department

Scores from Department

ID#	Score1	Score2	Score3	Score4	Score5	Score6
xxxxxxxx	3	3	2	4	3	3
уууууууу	4	3	2	3	3	4
ZZZZZZZZZ	5	4	5	4	4	5
Etc.						

Enterprise Data (Demographics, Academics)

ID#	Gender	Race	Major	GPA	Etc.
xxxxxxxx	F	1	115	3.39	
уууууууу	F	2	159	2.24	
ZZZZZZZZZ	M	1	373	3.81	

Security Overview

Server is protected by university and local firewalls, server software is kept up to date

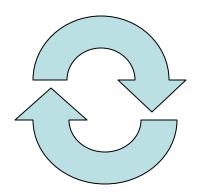


- Users must authenticate to USCA domain
- Transactions are encrypted by 128-bit Secure Socket Layer (SSL) protocol
- Local database table keeps track of who has access to what data
- Online scripts are written with input checking to guard against buffer overflows and SQL injection

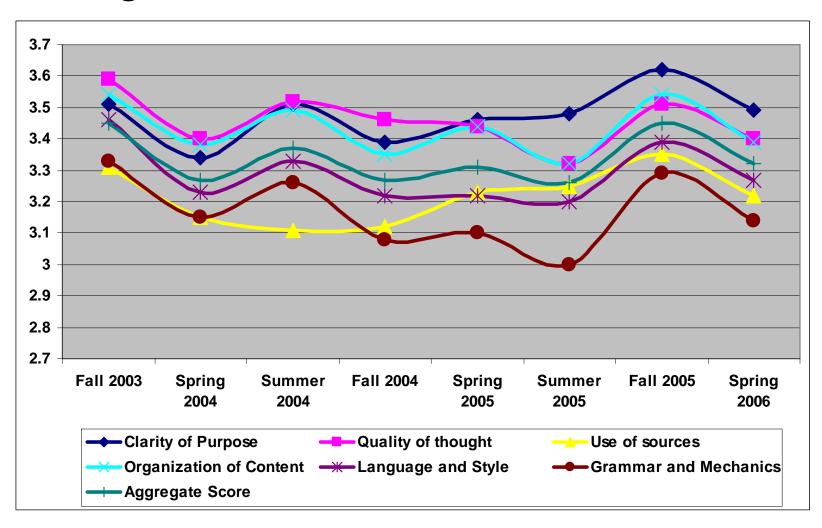


Closing the Loop

- Regular and public communication of results (via email list) promotes awareness, and all faculty have access to interface
- Department Chairs use results in annual assessment reports
- Curriculum adjusted based on results
- Delivery system used to leverage further assessment



Using Results: Overall Trends



School of Business



Pass rates used to monitor success in program learning outcome for communication skills.

Curriculum adjusted based on results in ABUS 345 Business Communication to address citation and documentation skills.

Use of results demonstrates "culture of continual improvement" to AACSB.

School of Education

- Passing portfolio is a prerequisite for student teaching.
- Pass rates used to monitor success in program learning outcome for communication skills (NCATE benchmark).
- Analysis of specific writing competencies with program outcomes planned.



The Dynamic Educator as Communicator

- 1. The Dynamic Educator as Communicator has excellent oral communication skills.
- 2. The Dynamic Educator as Communicator has excellent written communication skills.
- 3. The Dynamic Educator as Communicator facilitates the learning of all children.
- 4. The Dynamic Educator as Communicator effectively communicates with children, parents, and colleagues.

Department of Sociology

Redesign of research methods course to include more emphasis on writing.

Ongoing conversations about students who have marginal or failing scores on portfolio.

Has fostered more robust communication between Departments in remediation process.



Leveraging Success

- Demonstration of interface and communication of results has fostered a culture of assessment:
 - Foreign Language general education interface scheduled for launch in December 2005.

American Political Institutions general education interface scheduled for launch in Spring 2006.

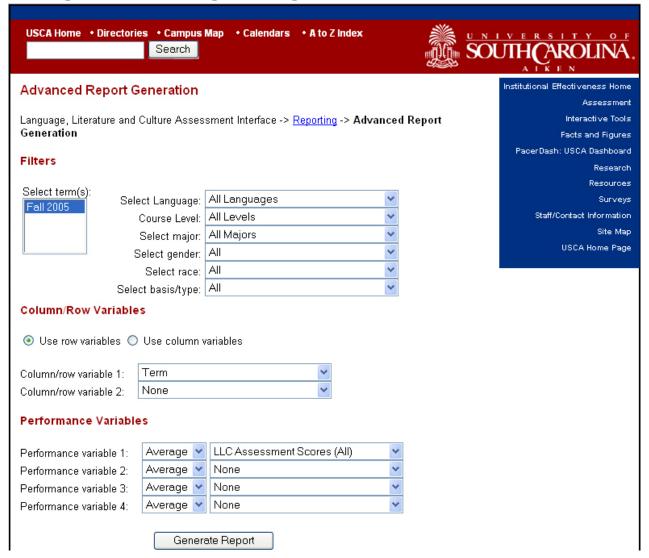
 Foreign Languages
 American Political Institutions

Effective Writing

Success and

Communication

Foreign Language Advanced Interface



Foreign Language Report

Language, Literature and Culture Assessment Score Report for All Majors

Language: All Languages Course Level: All Levels Term(s): Fall 2005

	Reading	Writing	Listening	Speaking	<u>Culture</u>	Aggregate
Below 2.0	7	7	6	4	8	8
2.0-2.49	24	37	22	36	29	16
2.5-2.99	0	0	0	0	0	37
3.0-3.49	52	65	61	74	117	46
3.5-3.99	0	0	0	0	0	43
4.0-4.49	78	68	83	82	51	57
4.5-5.0	89	55	59	35	45	43
Total	253	235	235	235	253	253
Mean	3.83	3.5	3.66	3.41	3.34	3.55
Std. Dev.	1.16	1.17	1.13	1.07	1.07	0.95
Std. Error	0.073	0.076	0.074	0.07	0.067	0.059

Future Plans

- Expand usage to additional general education competencies.
- Conduct additional institutional studies.
 - Performance by race, gender, and other variables.
 - Graduation rate studies.
 - Assist faculty in Scholarship of Teaching and Learning (SOTL)
- Promote use of system for program review and assessment of learning outcomes in the major.
 - Present uses to various faculty groups.
 - Document use of data for curricular adjustments.
- Design administrative piece to revise goals and objectives.
 - Add, deactivate, transform, and map goals and objectives.
 - Add more general education competencies.
 - Encourage units to adopt system for assessment of majors.



Contact Information

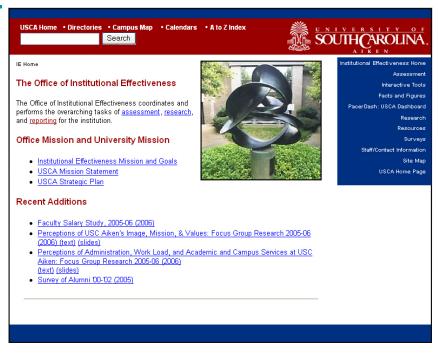
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Comments:

Reader's initials _____

Purpose, voice, audience awareness	thesis / intent is of complexities and various viewpoin are addressed. Cl	bvious;	3 Positions are evident,	2	1
	thesis / intent is of complexities and various viewpoin are addressed. Cl	bvious;	Positions are evident,		
	thesis / intent is obvious; complexities and various viewpoints are addressed. Clear sense of audience.		thesis / intent is evident; and some attempt is made to accommodate various viewpoints. Somewhat aware of audience.	Lacks position on topics; thesis / intent is unclear; superficial; little to no addressing of various viewpoints. Uncertain grasp of audience.	
Quality of thought	5	4	3	2	1
	Unified, and strong control of content opinions and clais are well-supported with ample evide	t; ms ed	Generally unified; ideas are balanced, opinions and claims are adequately supported.	Little evidence control of idea ideas are not so or support is conslogance	as; supported,
Organization	5	4	3	2	1
	through structural and linguistic transitions; structure complements		Some evidence of structural and linguistic transitions; structure is generally adequate for the content.	tructural and linguistic ransitions; structure s generally adequate coherence are flawe parts are poorly con and there is little events.	
Use of Sources	5	4	3	2	1
	Sources are clear identified /synthetextual citations a works cited are c	esized; and	Mixed use of sources; some synthesis and evidence of citations in text and works cited.	Obvious plagi little to no cita obvious source in text or work no synthesis of	ation of e material ks cited;
Language and Style	5	4	3	2	1
Vocabulary / Diction, Syntax	Diction and synta are well-chosen t express ideas; no redundancies.	О	Acceptable language, although somewhat limited in vocabulary and syntactic fluency	choices in syn	ors and limited tractical forms. its and distracts on of ideas.
Grammar and Mechanics	5	4	3	2	1
spelling, other	Grammatical stru are well-chosen; no errors distract from meaning.		Grammatical structures carry the meaning forward, although readers notice an occasional error.	Grammar erro are so obtrusiv reade distracted by t	ve that ers are seriously