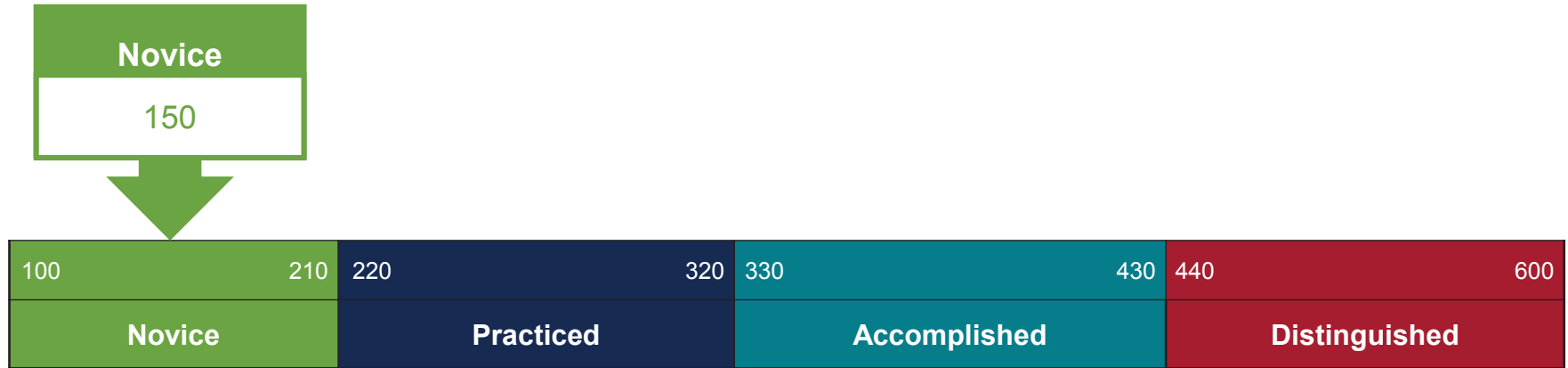


Principles of Biomedical Science

Webb City High School, Webb City, MO

Norman Rebecca

Birthdate: 12/20/1980



End-of-Course Assessment Scale

“The foundation of critical and creative thinking is expertise. As long as you can master a specific subject, then you can be creative and think critically.”

- Kay Kim, Ph.D., Professor of Creativity and Innovation, College of William and Mary, author of *The Creativity Challenge: How We Can Recapture American Innovation*

“If we value it, we must assess it. We can’t leave [these] skills to just the classroom experience; we must also assess these skills.”

- R.D. Parpart, Manager – USA Craft Training & Workforce Development, ArcelorMittal USA

Skills Clusters	Subscores					
	1	2	3	4	5	6
Professional Practice			*			
Communication and Collaboration		*				
Critical and Process Thinking	*					
Biological Foundations	*					
Molecular Biology and Genetics		*				
Biomedical Tools and Analysis		*				

PLTW

The PLTW End-of-Course Assessment scale ranges from 100 to 600, with a higher score indicating a higher level of achievement. The scale score allows for valid comparisons within and across years for each PLTW course. Scale scores also provide a foundation for defining performance levels.

PLTW has established four performance levels to indicate a student's performance on an End-of-Course Assessment – Novice, Practiced, Accomplished and Distinguished.

Novice	Practiced	Accomplished	Distinguished
Students may show some evidence of understanding routine procedures and concrete concepts in the PLTW Pathways. Novice students may be able to ask questions about simple problems.	Students use routine procedures and concrete concepts in the PLTW Pathways. Practiced students use creative, critical, and logical reasoning to solve simple problems.	Students apply integrated procedural knowledge and conceptual understanding to routine real-world problems in the PLTW Pathways. Accomplished students use creative, critical, and logical reasoning to solve real-world problems.	Students routinely apply integrated procedural knowledge and conceptual understanding to resolve complex and novel real-world problems. Distinguished students consistently use creative, critical, and logical reasoning to synthesize their understandings in complex, real-world scenarios.

Skills Clusters

Skill cluster subscores indicate performance on specific knowledge and skills that groups of industry experts, higher education faculty, and PLTW teachers believed appropriate to report out together, either because they are most commonly practiced together or because they are otherwise related. Skill cluster subscores are range from 1 to 6.

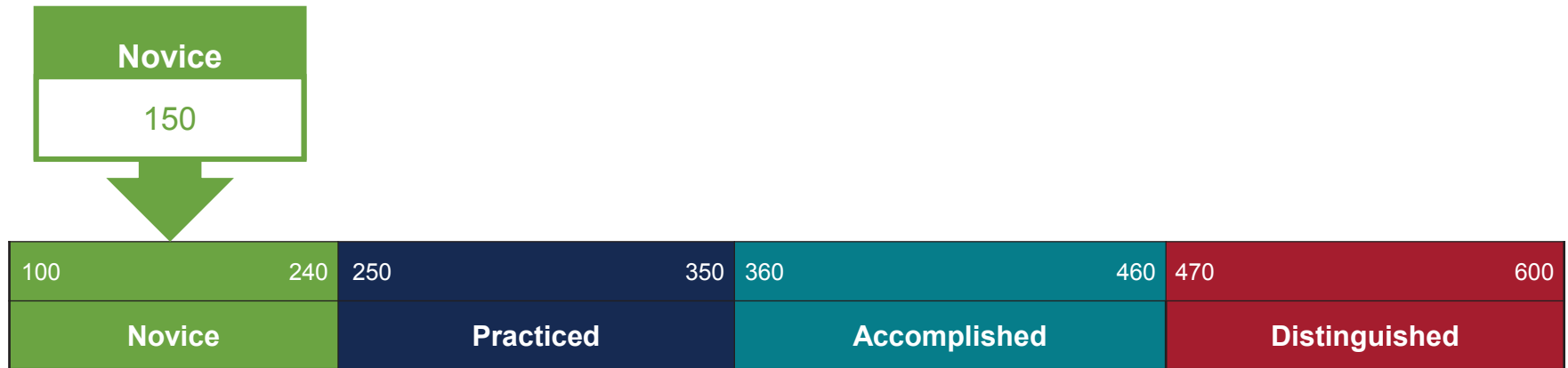
PLTW End-of-Course Assessment scores represent a snapshot of student competence based on their performance on the assessment. All assessments are subject to a degree of variability and are best considered along with other information when evaluating students. The technical characteristics of PLTW assessments, and extensive evidence of validity and reliability, are available in PLTW technical reports.

Computer Science Essentials

Webb City High School, Webb City, MO

Norman Rebecca

Birthdate: 12/20/1980



End-of-Course Assessment Scale

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Skills Clusters	Subscores					
	1	2	3	4	5	6
Professional Practice			*			
Collaboration and Communication		*				
Problem Solving	*					
Data, Algorithms, and Abstraction	*					
Programming		*				
Computational Tools and Techniques		*				

PLTW

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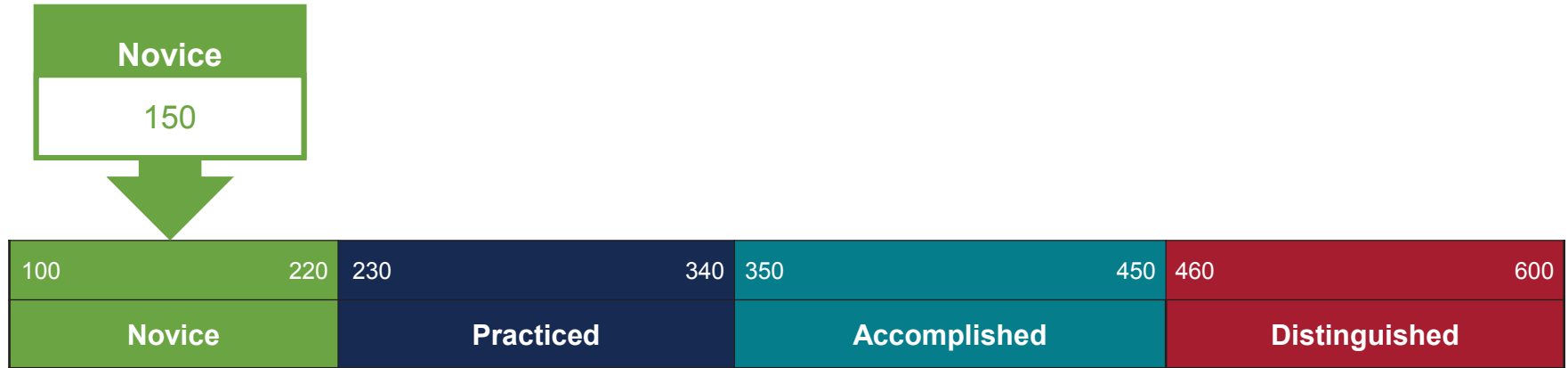
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Introduction to Engineering Design

Webb City High School, Webb City, MO

Norman Rebecca

Birthdate: 12/20/1980



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Skills Clusters	Subscores					
	1	2	3	4	5	6
Professional Practice			*			
Communication and Collaboration		*				
Design and Mindset	*					
Design Properties	*					
Sketching and Drawing		*				

PLTW

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Novice	Practiced	Accomplished	Distinguished
<p>Students may show some evidence of understanding routine procedures and concrete concepts in the PLTW Pathways.</p> <p>Novice students may be able to ask questions about simple problems.</p>	<p>Students use routine procedures and concrete concepts in the PLTW Pathways.</p> <p>Practiced students use creative, critical, and logical reasoning to solve simple problems.</p>	<p>Students apply integrated procedural knowledge and conceptual understanding to routine real-world problems in the PLTW Pathways.</p> <p>Accomplished students use creative, critical, and logical reasoning to solve real-world problems.</p>	<p>Students routinely apply integrated procedural knowledge and conceptual understanding to resolve complex and novel real-world problems.</p> <p>Distinguished students consistently use creative, critical, and logical reasoning to synthesize their understandings in complex, real-world scenarios.</p>

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