



EXPERT FACILITATORS IN STRATEGIC COLLABORATION

Table of Contents

Welcome	3
Compass Activity	7
Committee Overview	13
Wrap-Up and Next Steps	16

Agenda

Mathematics Pathways Committee Orientation		STUDENT SUCCE Center	
AGENDA		IN IMPRINT IF	
September 23, 2021			
10:00 - 10:10 a.m.	 Welcome and Introduction to the Work Florida Mathematics Re-Design Initiative Senate Bill 366 		
10:10 – 10:30 a.m.	Activity with the Collaborative Labs Let's leverage our Compass Points as a Math Pathwa activity uses a set of preferences which relate not to a behaviors, helping us understand how preferences at > North: Acting > South: Caring > East: Speculating > West: Paying Attention to Detail	individual but group	
10:30 – 11:00 a.m.	Committee Overview Charge Structure and membership Roles and responsibilities Timeline and meeting schedule 		



Welcome





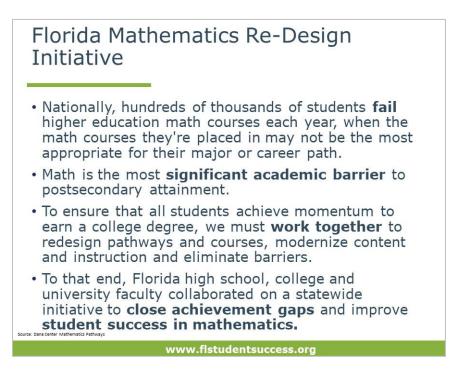
Abbey Ivey, Director, Florida Student Success Center (FSSC): Good morning! The purpose of today's meeting is to orient the committee to the task ahead. We will get to know each other as we get into this work and talk more about the charge and process. Thank you for volunteering to serve on this committee.

We have several members of the Florida Department of Education Florida Board of Governors Office with us today who are here to serve as staff liaisons including Disraelly Cruz, Christy England, and Brittanian Gamble. Tara Goodman and Kathleen Taylor are supporting the career center side. For the Florida Colleges, we have Carrie Henderson and Katie Grissom. From the Office of Articulation, we have Elizabeth Moya and Alexander Armstrong. We have a fully staffed team to support you throughout this work.





Abbey: The Student Success Center is housed within the Florida College System to support student success pathways. It is part of national network and we have been operating for three years now. Math reform is a major component.



Abbey: Math redesign is the first major undertaking of Florida Student Success Center. Math is the most significant academic barrier to student success. This is a cross-sector collaborative effort. From that, the Florida Mathematics Re-Design Initiative was born.



Mathematics Workgroups

High School to Postsecondary Alignment

Explore how high school curriculum in mathematics aligns with postsecondary expectations

- Clarify college entrancerequirements alignment with high school assessments and courses
- Examine longitudinal student data on mathematics sequencing and student success rates
- Engage high school and college mathematics faculty in dialogue about postsecondary expectations
- Identify strategies that promote greater alignment

FCS Mathematics Sequences

Examine multiple pathways for students to enter based on programs of study as well as the re-design of course structures to maximize support for students

- Identify course and institutional structures that promote and deter success
- Encourage the modernization of mathematics content
- Review data on student success across algebra and non-algebra pathways
- Identify a sequence of courses in the context of a student's intended transfer major/metamajor

FCS to University Alignment

Examine how FCS curriculum in mathematics aligns with university expectations, particularly for students in transfer programs

- Clarify university mathematics requirements
- Examine the longitudinal student data on mathematics sequencing and student success rates
- Engage FCS and SUS mathematics faculty in dialogue about postsecondary expectations
- Identify strategies that promote greater alignment

Abbey: The center established three interconnected workgroups including over 90 faculty and staff from the Florida college system, the state university system, and the K-12 sector. The workgroups focused on three areas. The charge was to identify the challenges and work towards recommending solutions.

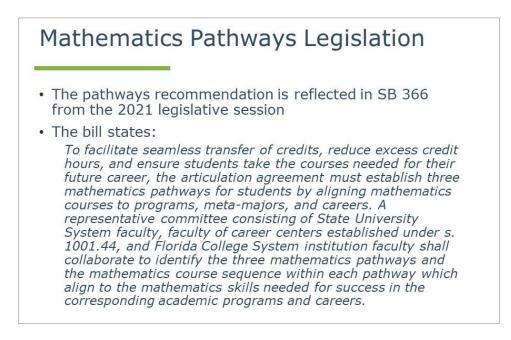


Expert facilitators in strategic collaboration

Abbey: The year-long effort culminated in eleven policy and practice recommendations. One of the most powerful recommendations was to create common math pathways by aligning courses to programs, majors, and careers.

Why Math Pathways?
Research shows:
 Students need different mathematics skills depending on their programs of study.
 Many institutions still use the college algebra pathway as the primary pathway for their students, even if the liberal arts mathematics/statistics pathway may be more appropriate for their degrees.
 Not all students are well served by traditional algebra-based calculus sequences; in fact, research shows that courses that are meaningful to students increase their engagement, which, in turn, increases their success.
The ultimate goal of the recommendation is to increase graduation and success rates and to make sure students graduate without excess credit hours.

Abbey: Research shows that students need different math skills based on their program of study. The default was to put students in college Algebra regardless of their path, but not all students are well served by that sequence. The goal is to create three common math pathways to increase student success. That is the charge of this committee.



Abbey: The work that came out of the initiative is reflected in the 2021 legislative session. Summarized, it says the articulation agreement must include three pathways that align to



programs, meta-majors, and careers. This representative committee will collaborate to determine what the pathways should be. Thank you for being willing to serve on this committee; it has been several years in the making.

Compass Activity

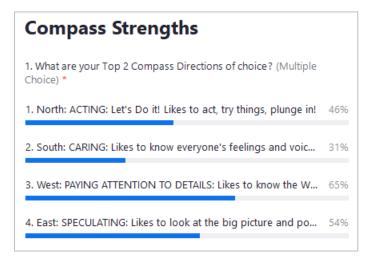


Andrea: Thank you, Abbey, for your continued support. I would like to introduce two of my Collaborative Labs colleagues, Karin, who is taking meeting notes, and Laurie, our business development guru.



Andrea: The compass activity helps us get to know each other and leverage our strengths in this committee. It is an overview of the strengths in our group. There are four compass points. Think about and share which two are your top compass points and the strengths in each area that are important to committee work. You can also share how you have leveraged your strengths in an impactful way.







Marc Campbell, Daytona State College: North is my top direction. I have been in education for 27 years, and I have found that education is the area that seems to react the slowest. When I like something, I move on it. As we move forward, we can adjust as necessary. We can spend too much time planning; by the time we implement it, the situation is different.



Julie Phelps, Valencia College: South is my first direction. I help people find their passion and get them to engage.

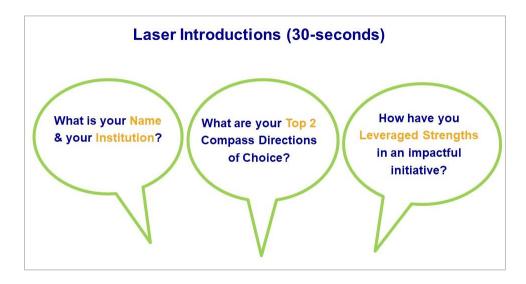


Alicia Leary, Fred K. Marchman Technical College: I am West. Taking time to look at details is very important. You can spend too much time though.



Teresa Dorman, University of Central Florida: I am East. I look at how the dominos may fall...what are the implications are, the big picture.





Andrea: We will do short 30-second per person introductions; please share your name, institution, your top two directions, and how you leverage your strengths.

Alicia Leary: West and North. Building new programs, especially acquisitions, is where I apply my strengths.



Kathleen Ciez-Volz, Florida State College at Jacksonville: South and East. These have been strengths in an initiative to develop international education in our college.



Donna Soncrant, First Coast Technology College: North and East. I transitioned from a K-12 curriculum director in math, to college. It is a big change and very exciting.

Abbey: East and West. I like to look at the big picture but am detail oriented. This can be applied to what we do at the FSSC.



Aletheia Zambesi, University of West Florida: West and South. The two work well together; get buy in and move people forward. It is useful in working with faculty.

Teresa Dorman: West and East. Collaborative discussions and decision making are my strengths. I am involved with the curriculum alignment program and student advising initiatives and working with individual departments to develop new programs.





Jimmy Chang, St. Petersburg College: South and West. I leverage these strengths when collaborating with faculty and others and I cover all the details before acting.

Julie Phelps: North and South. I get it done and ask for forgiveness with how fast I move. I want to do work for students that need it the most.



Kalynda Holton, Tallahassee Community College: North and West. These strengths help in pathways work and creating courses.



Allison Crume, University of South Florida: North and South. My strengths helped in building relationships.



Chris Kottke, New College of Florida: East and West. They cancel out, but this is four-dimensional. I have been involved with redesigning math the pathways to make it more inclusive and flexible.



Konstantina Christodoulopoulou, University of Florida: West and South. They help me as undergraduate coordinator, in problem solving with students and caring about their future.



Tommy Minton, Seminole State College of Florida: West and East. In my role as dean, everything is in the details. Being involved with the math pathways initiative, it is all about the big picture and moving forward.



Rachid Ait Maalem Lahcen, University of Central Florida: North and South. When it comes to collaboration, I am these two directions. I listen to what everyone is saying and focus on the common goal.





Onder Koklu, Florida Gulf Coast University: West and North. Act more and talk less. Answer the who, what, where questions and look at details.



Connie Campbell, Gulf Coast State College: North and East. I really get a charge out of speculating what needs to be done and doing it.



Dana Hamadeh, Palm Beach State College: North and West. I like to know what resources we have and why we are doing something.

Marc Campbell: North and West. I've learned that sometimes to make things happen, you have to act first and ask for forgiveness later.



Tara Goodman, Division of Career and Adult Education: East and West. I have interest in jobs and looking at the big picture concerning pathways.



Don Ransford, Florida Southwestern State College: South and East. I have taken a lot of leadership roles in committees and initiatives. I set good goals for organizations and make sure everyone feels a part of meeting those goals.



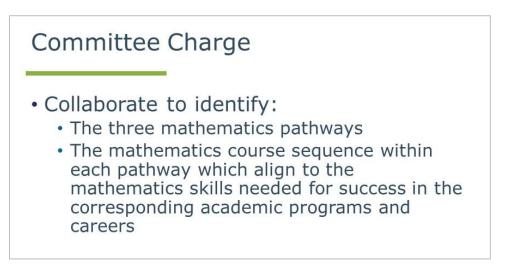
Lee Klingler, Florida Atlantic University: East and West. As department chair, I make sure details are there and fit in the big picture.



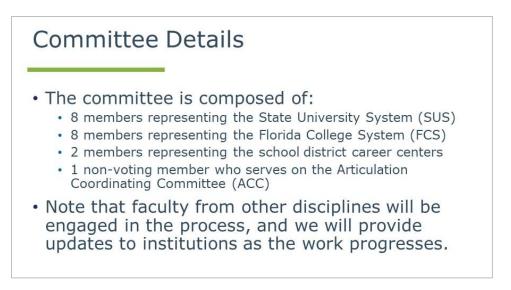
	North Acting	South Caring	East Speculating	West Attention to Detail
Committee	Compass Direction			Dotaii
Member		-		
Abbey Ivey			Х	Х
Aletheia Zambesi		х		Х
Alicia Leary	Х			Х
Allison Crume	х	х		
Chris Kottke			х	Х
Connie Campbell	х		х	
Dana Hamadeh	х			Х
Don Ransford		x	х	
Donna Soncrant	X		x	
Jimmy Chang		Х		Х
Julie Phelps	X	Х		
Kalynda Holton	x			Х
Kathleen Ciez-Volz		X	x	
Konstantina Christodoulopoulou		x		Х
Lee Klingler			Х	Х
Marc Campbell	Х			Х
Onder Koklu	Х			Х
Rachid Ait Maalem Lahcen	X	x		
Tara Goodman			Х	Х
Teresa Dorman			X	Х
Tommy Minton			Х	Х



Committee Overview



Abbey: The charge of the committee is to collaborate what the three math pathways will be and the course sequence.



Abbey: Here is who is on the committee. We will engage other faculty throughout the process. We are mostly from the math field, but we will engage those from top transfer majors.



Name	Title	Institution	
	Assistant Chair, Lecturer, Mathematics &		
Aletheia Zambesi	Statistics	University of West Florida	
Alicia Leary	Assistant Director	Fred K. Marchman Technical College	
	Associate Vice President & Dean of		
Allison Crume	Undergraduate Studies	University of South Florida	
Christopher Kottke	Associate Professor, Mathematics	New College of Florida	
Connie Campbell	Associate Professor, Mathematics	Gulf Coast State College	
Dana Hamadeh	Associate Dean, STEM & Health Science	Palm Beach State College	
Donald Ransford	Professor, Mathematics	Florida SouthWestern State College	
Donna Soncrant	Career Specialist	First Coast Technical College	
Jimmy Chang	Dean, Mathematics	St. Petersburg College	
Julie Phelps	Professor. Mathematics	Valencia College	
Kalynda Holton	Dean, Science and Mathematics	Tallahassee Community College	
Kathleen Ciez-Volz	Associate Provost, Curriculum and Instruction	Florida State College at Jacksonville	
Konstantina	Undergraduate Coordinator, Mathematics		
Christodoulopoulo	Department	University of Florida	
	Professor, Department of Mathematical		
Lee Klinger	Sciences	Florida Atlantic University	
Marc Campbell	Chair, School of Mathematics	Daytona State College	
	Assistant Professor, Department of Teacher		
Onder Koklu	Preparation	Florida Gulf Coast University	
Rachid Ait Maalem Lahcen	Associate Lecturer, Mathematics	University of Central Florida	
Teresa Dorman	Associate Dean, College of Sciences	University of Central Florida	
Tommy Minton	Dean, Mathematics	Seminole State College of Florida	

Abbey: We will post the committee members for your use.

Roles and Responsibilities

- Committee members will be expected to attend all committee convenings and actively participate in identifying the mathematics pathways.
- The majority of the work of the committee will occur during the fall 2021 term via virtual convenings.
- Additional work between convenings, while likely minimal, may also be required.
- The center will provide a \$500 stipend for service on the committee.

Abbey: We know that situations arise, but this work is accelerated over a three-month timeframe and your participation is important. The meetings are already established; everything



will be virtual. Please email your W-9 form to me for processing your stipend (<u>Abbey.Ivey@fldoe.org</u>).

Timeline

Activity	Expected Timeline
Committee finalizes mathematics pathways and course sequences	December 2021
ACC considers proposed mathematics pathways and course sequences	February 2022
Florida Department of Education (FDOE) initiates rule development process/Office of the Board of Governors (BOG) initiates regulation development process to incorporate math pathways	March-July 2022
State Board of Education/Florida Board of Governors considers mathematics pathways rule/regulation revisions	August 2022
FDOE/BOG notify institutions and provide technical assistance	August 2022
Mathematics pathways effective for entering students in associate and baccalaureate degree programs	2023-24 academic year

Abbey: Meetings are scheduled to have pathways and course sequences by December. The Articulation Coordinating Committee will consider this work in February. Rule and regulation development will commence from there. The process takes time, so we account for that. In the summer of 2022, we will notify institutions and the pathways will be active for the 2023-24 school year.

		s Schedule
Meeting	Date	Goals
Kick-off	October 11 10 a.m. – 12 p.m.	 Understand national context Confirm plan to identify the pathways and courses
Full day meeting	November 18 9 a.m. – 4 p.m.	 Identify essential learning outcomes Solidify the three pathways Begin aligning courses to the pathways
Closing	December 8 10 a.m. – 12 p.m.	Finalize pathways and course sequence recommendations

Abbey: In October, we will have a guest speaker to discuss how other states have tackled the work and implemented math pathways. The November meeting will be a full day where we will



tackle essential learning outcomes, solidify the three pathways, and begin aligning those courses. In December, we will wrap up and finalize the recommendations.

Abbey: I want to pose a question to the group about leadership structure. Would you like to elect a chair or keep it flat within the committee? Staff will be facilitating, and you will be supported. We want to get your feedback because it will be led by you.

Teresa: What would the responsibilities be?

Abbey: We could discuss them as a committee. Basically, be the point of contact for the committee, help facilitate meetings, and set the agenda.

Leadership Structure	
1. Should we initiate a Leadership Structure with a Chair? (Sir Choice) *	ngle
1. Yes	42%
2. No	58%

Abbey: The majority said "No," so we will not select a chair. Thank you for your input.

Wrap-Up and Next Steps



Abbey: We have a website for this committee: <u>https://www.floridacollegesystemfoundation.org/fsscmathpathways</u>.

We also have a handbook for the committee. You will see meeting notes and recordings posted on the website. I will follow up with an email.

Please reach out to any of the names on the list if you need any help or support.



Support

Name	Title	Email
Disraelly Cruz	Director, Planning and Policy, BOG	Disraelly.Cruz@flbog.edu
Christy England	Vice Chancellor, Academic and Student Affairs, BOG	Christy.England@flbog.edu
Brittanian Gamble	Assistant Director, Academic Affairs, BOG	Brittanian.Gamble@flbog.edu
Tara Goodman	Vice Chancellor, DCAE	Tara.Goodman@fldoe.org
Katie Grissom	Deputy Director, Academic Affairs, DFC	Katie.Grissom@fldoe.org
Carrie Henderson	Executive Vice Chancellor, FCS	Carrie.Henderson@fldoe.org
Abbey Ivey	Director, Florida Student Success Center, DFC	Abbey.lvey@fldoe.org
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	www.flstudentsuccess.org	

Abbey asked the committee for any outstanding questions, and there were none.

Abbey: Thank you all! It was a pleasure seeing you again and meeting some of you virtually. Look for an email with a link to our website.

