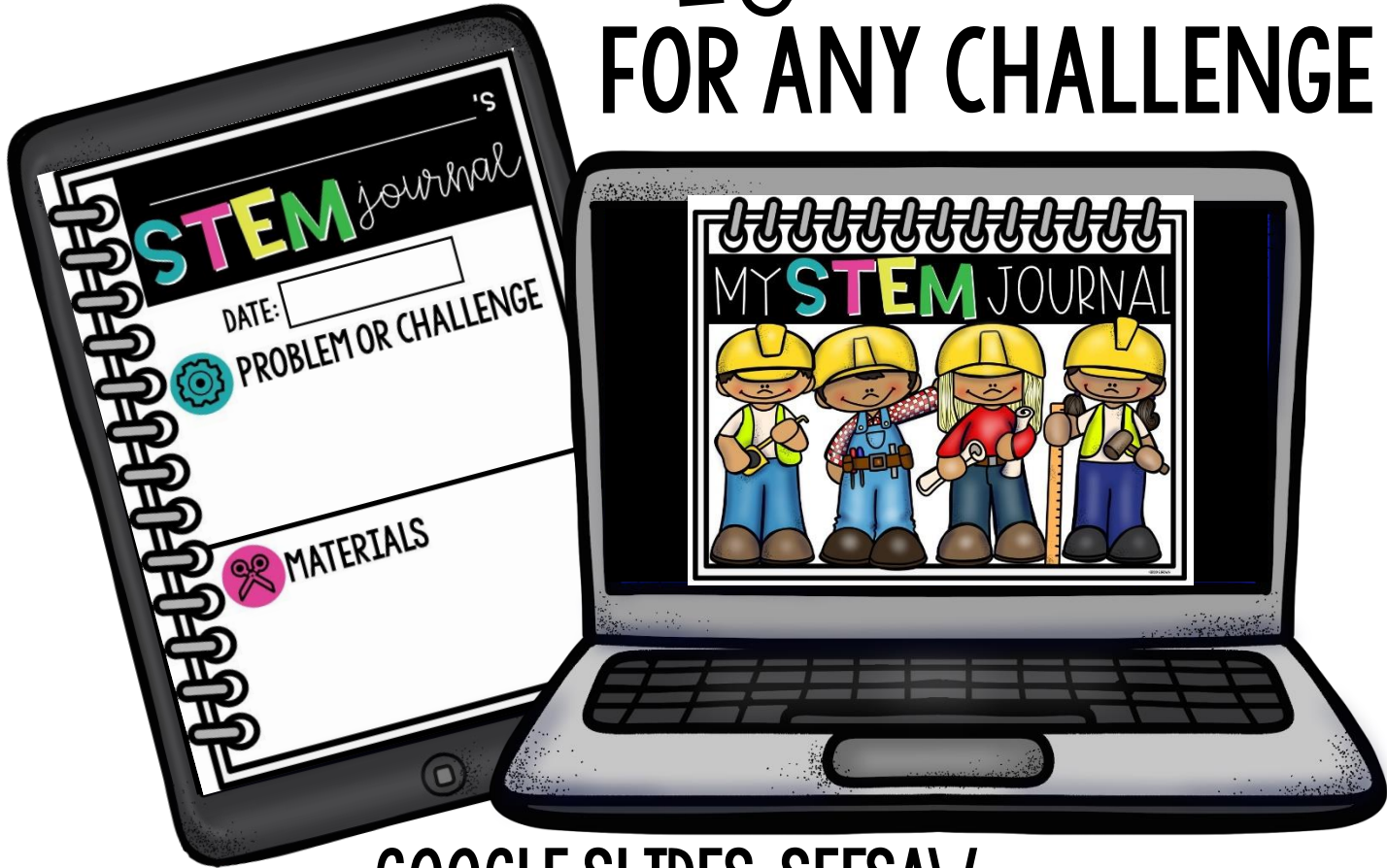


STEM journal

FOR ANY CHALLENGE



GOOGLE SLIDES, SEESAW,
AND PRINTABLE VERSIONS

CREATED BY BROOKE BROWN

PAPERLESS GOOGLE SLIDES NOTEBOOK

THE ENGINEERING DESIGN PROCESS

REFLECT & PRESENT → ASK → IMAGINE → REFLECT & PRESENT

STEM Journal

DATE: _____

PROBLEM OR CHALLENGE

MATERIALS

IDEAS

BLUEPRINT

NOTES & OBSERVATIONS

SELF CHECK-UP

Circle one choice in each row.

I followed ALL instructions.	I followed SOME instructions.	I DID NOT follow instructions.
I used my BEST effort and perseverance.	I used GOOD effort and perseverance.	I DID NOT SHOW effort or perseverance.
I completed ALL of my STEM Journal with MANY	I completed SOME of my STEM Journal with SOME	I DID NOT complete my STEM Journal.
		I was NOT accurate with testing, calculating, or measuring.
		I STRUGGLED to cooperate with my partner or group members.
		I DID NOT share ideas during class discussions.

RESULTS	TEST 1
IMPROVEMENTS	
RESULTS	TEST 2
IMPROVEMENTS	
RESULTS	TEST 3
IMPROVEMENTS	

REFLECTION

WHAT WAS MOST DIFFICULT ABOUT THIS CHALLENGE?

WHAT WOULD YOU DO DIFFERENTLY IF YOU COMPLETED THIS CHALLENGE AGAIN?

WHAT IS ONE NEW THING YOU LEARNED WHILE COMPLETING THIS CHALLENGE?

TEACHER CHECK-UP

3	2	1
Student followed all instructions for challenge.	Student followed some instructions for challenge.	Student did not follow instructions for challenge.
Student used best effort and perseverance on challenge.	Student used good effort and perseverance on challenge.	Student did not show effort or perseverance on challenge.
Student completed assigned STEM Journal.	Student partially completed assigned STEM Journal.	Student did not complete assigned STEM Journal.
Student showed accuracy in testing, calculating, and measuring.	Student showed some accuracy in testing, calculating, and measuring.	Student did not show accuracy in testing, calculating, or measuring.
Student fully cooperated with group members and contributed fairly.	Student partially cooperated with group members and contributed fairly.	Student struggled to cooperate with group members and/or failed to contribute.
Student fully participated in class discussions.	Student somewhat participated in class discussions.	Student did not participate in class discussions.

TOTAL POINTS: /18

COMMENTS

EDITABLE SEESAW NOTEBOOK



MY IDEAS



MY MATERIALS



MY CREATION



MY TEST RESULTS

1

2

3



PROBLEM OR CHALLENGE



MY BLUEPRINT

MY STEM JOURNAL



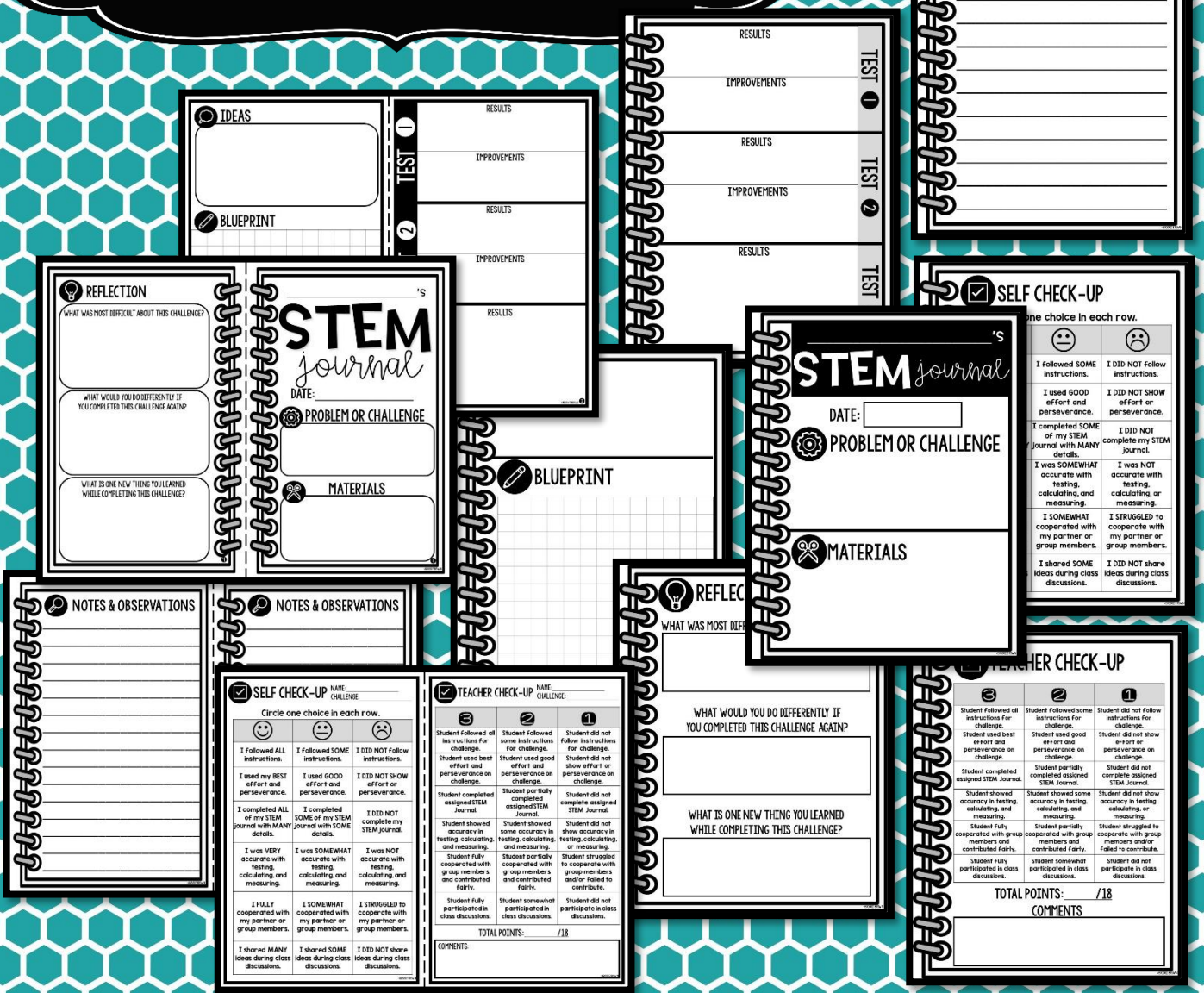
MY REFLECTION

WHAT WAS MOST CHALLENGING?

WHAT WOULD YOU DO DIFFERENTLY NEXT TIME?

WHAT IS ONE NEW THING YOU LEARNED?

PRINTABLE FULL SIZE AND HALF PAGE BOOKLETS



IDEAS

BLUEPRINT

TEST 1

RESULTS

IMPROVEMENTS

TEST 2

RESULTS

IMPROVEMENTS

TEST 1

RESULTS

IMPROVEMENTS

TEST 2

RESULTS

IMPROVEMENTS

TEST

RESULTS

NOTES & OBSERVATIONS

REFLECTION

WHAT WAS MOST DIFFICULT ABOUT THIS CHALLENGE?

WHAT WOULD YOU DO DIFFERENTLY IF YOU COMPLETED THIS CHALLENGE AGAIN?

WHAT IS ONE NEW THING YOU LEARNED WHILE COMPLETING THIS CHALLENGE?

STEM journal

DATE: _____

PROBLEM OR CHALLENGE

MATERIALS

STEM journal

DATE: _____

PROBLEM OR CHALLENGE

MATERIALS

SELF CHECK-UP

Circle one choice in each row.

<input type="radio"/> I followed ALL instructions.	<input type="radio"/> I DID NOT follow instructions.
<input type="radio"/> I used GOOD effort and perseverance.	<input type="radio"/> I DID NOT SHOW effort or perseverance.
<input type="radio"/> I completed SOME of my STEM journal with MANY details.	<input type="radio"/> I DID NOT complete my STEM Journal.
<input type="radio"/> I was SOMEWHAT accurate with testing, calculating, and measuring.	<input type="radio"/> I was NOT accurate with testing, calculating, or measuring.
<input type="radio"/> I SOMEWHAT cooperated with my partner or group members.	<input type="radio"/> I STRUGGLED to cooperate with my partner or group members.
<input type="radio"/> I shared SOME ideas during class discussions.	<input type="radio"/> I DID NOT share ideas during class discussions.

NOTES & OBSERVATIONS

NOTES & OBSERVATIONS

REFLECTION

WHAT WAS MOST DIFFICULT ABOUT THIS CHALLENGE?

WHAT WOULD YOU DO DIFFERENTLY IF YOU COMPLETED THIS CHALLENGE AGAIN?

WHAT IS ONE NEW THING YOU LEARNED WHILE COMPLETING THIS CHALLENGE?

SELF CHECK-UP

NAME: _____ CHALLENGE: _____

Circle one choice in each row.

<input type="radio"/> I followed ALL instructions.	<input type="radio"/> I followed SOME instructions.	<input type="radio"/> I DID NOT follow instructions.
<input type="radio"/> I used my BEST effort and perseverance.	<input type="radio"/> I used GOOD effort and perseverance.	<input type="radio"/> I DID NOT SHOW effort or perseverance.
<input type="radio"/> I completed ALL of my STEM journal with MANY details.	<input type="radio"/> I completed SOME of my STEM journal with SOME details.	<input type="radio"/> I DID NOT complete my STEM Journal.
<input type="radio"/> I was VERY accurate with testing, calculating, and measuring.	<input type="radio"/> I was SOMEWHAT accurate with testing, calculating, and measuring.	<input type="radio"/> I was NOT accurate with testing, calculating, and measuring.
<input type="radio"/> I FULLY cooperated with my partner or group members.	<input type="radio"/> I SOMEWHAT cooperated with my partner or group members.	<input type="radio"/> I STRUGGLED to cooperate with my partner or group members.
<input type="radio"/> I shared MANY ideas during class discussions.	<input type="radio"/> I shared SOME ideas during class discussions.	<input type="radio"/> I DID NOT share ideas during class discussions.

TOTAL POINTS: /18

COMMENTS: _____

TEACHER CHECK-UP

NAME: _____ CHALLENGE: _____

<input type="radio"/> Student followed all instructions for challenge. Student used best effort and perseverance on challenge. Student completed assigned STEM Journal.	<input type="radio"/> Student partially completed assigned STEM Journal. Student showed some accuracy in testing, calculating, and measuring. Student fully cooperated with group members and contributed fairly.	<input type="radio"/> Student did not follow instructions for challenge. Student did not show effort or perseverance on challenge. Student did not complete assigned STEM Journal. Student did not show accuracy in testing, calculating, and measuring. Student struggled to cooperate with group members and/or failed to contribute.
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TOTAL POINTS: /18

COMMENTS: _____

TEACHER CHECK-UP

<input type="radio"/> Student followed all instructions for challenge. Student used best effort and perseverance on challenge. Student completed assigned STEM Journal. Student showed some accuracy in testing, calculating, and measuring. Student fully cooperated with group members and contributed fairly.	<input type="radio"/> Student followed some instructions for challenge. Student showed good effort and perseverance on challenge. Student partially completed assigned STEM Journal. Student showed some accuracy in testing, calculating, and measuring. Student partially cooperated with group members and contributed fairly.	<input type="radio"/> Student did not follow instructions for challenge. Student did not show effort or perseverance on challenge. Student did not complete assigned STEM Journal. Student did not show accuracy in testing, calculating, or measuring. Student struggled to cooperate with group members and/or failed to contribute.
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TOTAL POINTS: /18

COMMENTS: _____

STEAM VERSION

