

Student Educational Equity Development (SEED) Survey

10th Grade Mathematics

Education leaders in Oregon would like to know more about your school year. Your answers will help schools in Oregon.

Your answers will be private. In most cases, your school, parent, or guardian will not see your answers. Read each question carefully. Choose the answers that are true for you. There are no right or wrong answers. If you cannot find the perfect answer, it is okay to pick the best one. You can skip any question.

Use the tools in the survey to help you. If you have questions, ask your teacher.

[Access to Learning Resources]

The next questions will ask you about things that could help you with your school work. These may be things in your home, community, or school. Please read each question carefully. Choose the answers that are true for you.

1. Are these things available to help you with your school work?

	No, not available	Yes, sometimes available	Yes, always available	Skip question
Internet connection or Wi-Fi	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Desktop computer or laptop (such as Chromebook or similar)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tablet (such as iPad or similar)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Smartphone (such as iPhone or similar)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tools to help you talk with your teacher and other students (such as headphones, microphones or similar)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Are these things available to help you with your school work?

	No, not available	Yes, sometimes available	Yes, always available	Skip question
Books or magazines to read for fun	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
School supplies (such as paper, pencil, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Textbook, workbook, or other things provided by your school	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Books from your class library, school library, or public library	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Are these things available to help you with your school work?

	No, not available	Yes, sometimes available	Yes, always available	Skip question
Desk, table, or flat writing surface	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Quiet <u>place</u> to do school work (such as an office or bedroom)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Friend, other children, or adults (not including your teachers)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Quiet <u>time</u> to do school work with few distractions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tutoring or extra help not provided by your school	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

[Sense of Belonging]

The next questions will ask about your feelings toward your school. Please read each question carefully. Choose the answers that are true for you.

4. Think about your assignments from this school year. How often did they have pictures or stories of people who are like you and your family?
 - Never
 - Rarely
 - Sometimes
 - Often
 - Skip question

5. Think about the tests you took this school year. How often did they have pictures or stories of people who are like you and your family?
 - Never
 - Rarely
 - Sometimes
 - Often
 - Skip question

6. Think about the materials you used in class this school year. These could be textbooks, workbooks, or online materials. How often did they have pictures or stories of people who are like you and your family?
 - Never
 - Rarely
 - Sometimes
 - Often
 - Skip question

7. Think about the things you read in class this school year. These things could be articles, stories, or books. How often did they show people who are like you and your family?
 - Never
 - Rarely
 - Sometimes
 - Often
 - Skip question

8. Think about this school year and the people at your school. How much do you agree with each statement?

	Strongly disagree	Disagree	Agree	Strongly agree	Skip question
I have friends at school.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
My classmates care about me.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
There are adults at my school who are like me and my family.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I feel welcome at my school.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. Think about this school year and the people at your school. How much do you agree with each statement?

	Strongly disagree	Disagree	Agree	Strongly agree	Skip question
There are adults at my school who care about me.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I feel safe talking with adults at my school.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I feel safe talking with students at my school.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I like going to school.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I have classmates who are like me and my family.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

[Mathematics Opportunity to Learn]

The next questions will ask about your high school math classes. Please read each question carefully. Choose the answers that are true for you.

10. Think about what you did in your high school math classes. How often did you do the following?

	Never	Rarely	Sometimes	Often	Skip question
Discuss new or difficult math vocabulary with your teacher or classmates.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Work in pairs or small groups to talk about a math problem.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have a class discussion about a math problem your class is working on.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

11. Think about what you did in your high school math classes. How often did the following things happen?

	Never	Rarely	Sometimes	Often	Skip question
Your teacher gave you feedback on a math test or assignment. (Feedback is something helpful your teacher tells you or writes on your assignment.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Your classmates gave you feedback on a math test or assignment. (Feedback is something helpful your classmates tell you or write on your assignment.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
You got help with math when you needed it.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. Think about what you did in your high school math classes. How often did you use different ways to show your thinking on a math problem (such as draw a picture, tell a story, or write an equation)?

- Never
- Rarely
- Sometimes
- Often
- Skip question

13. Think about what you did in your high school math classes. How often did your math assignments ask you to write several sentences?

- Never
- Rarely
- Sometimes
- Often
- Skip question

14. Think about what you did in your high school math classes. How often did you use a computer or other digital device to solve math problems?

- Never
- Rarely
- Sometimes
- Often
- Skip question

15. Think about what you did in your high school math classes. How often did you do the following?

	Never	Rarely	Sometimes	Often	Skip question
Connect what you are learning in your math class to math concepts you already learned.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Use Desmos, Geogebra, or other online math tools.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Solve a system of linear equations both algebraically and graphically. (For example, you buy three markers and three notebooks for \$11.25. Your friend buys four markers and two notebooks for \$10.00. How much do markers cost? How much do notebooks cost?)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Solve real-world problems using trigonometric ratios and properties of similar triangles. (For example, a tower casts a shadow that is 60 feet long when the angle of elevation of the sun is 65° . How tall is the tower?)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyze and interpret a set of data to make inferences and draw conclusions. (For example, a student is trying to determine whether to use the interquartile ranges or the standard deviations to compare the spread of two data sets. What additional information might the student need to determine how to compare the sets?)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

[Mathematics Self-Efficacy Beliefs]

The next questions will ask about what you learned in your high school math classes.

Please read each question carefully. Choose the answers that are true for you.

16. Think about what you learned in your high school math classes. How confident are you about doing each of the following?

	Not confident	A little confident	Somewhat confident	Mostly confident	Very confident	Skip question
I can create an expression that represents the average number of miles I run in a week if I run 100 miles in w weeks.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I can find the price of a \$12 item that is discounted by 25%.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I can describe the properties shared by every isosceles triangle.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I can decide if my classmate's math work is correct.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I can give an example to show that a math statement is false.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I can explain to a classmate how I solved a math problem.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

17. Think about what you learned in your high school math classes. How confident are you about doing each of the following?

	Not confident	A little confident	Somewhat confident	Mostly confident	Very confident	Skip question
I can use correct mathematical words and symbols when showing my work.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I can use definitions of geometric shapes to support an argument.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I can determine the better deal between a 10-ounce drink for \$1.99 and a 12-ounce drink for \$2.29.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I can solve the equation $5x^2 - 3 = 17$ for x .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I can graph the equation $y = -2x + 5$ on a coordinate plane.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I can describe how the median and interquartile range can be used to compare two sets of data.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

[Opportunity to Learn]

The next questions will ask about Native Americans in Oregon. Please read each question carefully. Choose the answers that are true for you.

18. How much do you agree with each statement?

	Strongly disagree	Disagree	Agree	Strongly agree	Skip question
I like learning about Native Americans in Oregon.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I learn a lot about Native Americans in school.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I know a lot about Native Americans in Oregon.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I would like to learn more about Native Americans in Oregon.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

19. How often do you learn at school about Native Americans and the tribes who live in Oregon?

- Never
- Rarely
- Sometimes
- Often
- Skip question

[Post-Graduation Planning]

The next questions will ask about what you are planning to do after high school. Please read each question carefully. Choose the answers that are true for you.

20. Are you considering any of the following educational opportunities during the year after high school?

	Definitely not	Probably not	Probably	Definitely	I don't know yet	Skip question
Apprenticeship/internship	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Career, technical, or trade school	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2-year college/community college	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4-year college/university	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

21. Are you considering any of the following during the year after high school?

	Definitely not	Probably not	Probably	Definitely	I don't know yet	Skip question
Employment (full-time or part-time)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Starting a family or taking care of children	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volunteer/community service	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Military service	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Travel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

[Extracurricular Engagement]

The next questions will ask about events and activities at your school and in your community. Please read each question carefully. Choose the answers that are true for you.

22. Think about school events and activities. How much do you agree with the following?
I regularly attend events sponsored by my school (such as school dances, sporting events, student concerts, etc.).

- Strongly disagree
- Disagree
- Agree
- Strongly agree
- Skip question

23. Think about school events and activities. How much do you agree with the following?
I regularly participate in extracurricular activities or clubs sponsored by my school (such as sports, robotics, drama, cultural club, academic club, etc.).

- Strongly disagree
- Disagree
- Agree
- Strongly agree
- Skip question

24. Think about school events and activities. How much do you agree with the following?
At my school, I have opportunities to create clubs, schedule activities, or plan school events.

- Strongly disagree
- Disagree
- Agree
- Strongly agree
- Skip question

25. Think about school events and activities. How much do you agree with the following?
At my school, I have opportunities to participate in extracurricular activities or clubs.

- Strongly disagree
- Disagree
- Agree
- Strongly agree
- Skip question

26. Think about community events and activities. How much do you agree with the following?
I regularly participate in activities or clubs in my community (not sponsored by my school).

- Strongly disagree
- Disagree
- Agree
- Strongly agree
- Skip question

27. If you do not participate in any school or community activities or clubs, please describe why.
(You may skip this item.)

[Career and Technical Education]

The next questions will ask how you learned about career and technical education opportunities this year. Please read each question carefully. Choose the answers that are true for you.

28. How often did you do the following things at your school?

	Never	Rarely	Sometimes	Often	Skip question
Connect what you are learning in your classes to potential career opportunities.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Speak with a counselor or teacher at your school about career opportunities.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Use the internet to gather information about careers.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

29. Think about the career resources and opportunities at your school. Indicate your level of agreement with the following statements.

	Strongly disagree	Disagree	Agree	Strongly agree	Skip question
At my school, students have opportunities to complete a questionnaire to learn more about their interests and abilities.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
At my school, students have opportunities to interact with business and industry professionals through internships, projects, school-based businesses, or other work experiences.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
At my school, students have opportunities to visit and tour businesses or participate in job shadows.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
At my school, students have opportunities to set learning goals based on interests and future career goals.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

30. Think about this school year and the courses available at your school. How much do you agree with each statement?

	Strongly disagree	Disagree	Agree	Strongly agree	Skip question
I have opportunities to take courses that align with my interests.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I am taking courses that align with my interests.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I have opportunities to take courses that will help me achieve my future goals.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I am taking courses that will help me achieve my future goals.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

31. Please list any courses you would like to take that are not available to you at your school. (You may skip this item.)

32. Is there anything else about your school you would like to share?

This is the end of the survey. You may review and change your answers before submitting. Thank you for your time. Your answers will help improve Oregon schools.