

Physics Parent Survey - Languages

| Language       | Yes       | Not Yet   | No       | Total     |
|----------------|-----------|-----------|----------|-----------|
| Arabic         | 0         | 1         | 0        | 1         |
| Hindi          | 0         | 1         | 0        | 1         |
| Japanese       | 1         | 0         | 0        | 1         |
| Korean         | 0         | 1         | 0        | 1         |
| Romanian       | 0         | 1         | 0        | 1         |
| Mandarin       | 1         | 1         | 0        | 2         |
| Marathi        | 1         | 1         | 0        | 2         |
| Spanish        | 1         | 0         | 1        | 2         |
| Tamil          | 2         | 0         | 0        | 2         |
| Telugu         | 1         | 1         | 0        | 2         |
| Chinese        | 2         | 1         | 0        | 3         |
| English        | 31        | 48        | 2        | 81        |
| <b>TOTALS:</b> | <b>40</b> | <b>56</b> | <b>3</b> | <b>99</b> |

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| Yes   |
| Not yet, but my child plans to take high school physics   |
| No, and my child has no plans to take high school physics |

| How would you describe your child's interest and enthusiasm in high school physics? | How would you describe your child's skills and conceptual understanding in high school physics? | How satisfied are you with the high school physics instruction your child has received in the Issaquah School District? | Total | %     |
|---|---|---|-------|-------|
| My child does not care for physics.   | My child struggles with physics concepts and skills.  | Very Dissatisfied   | 1     | 2.70% |
| My child is not interested or enthusiastic about physics.                           | My child struggles with physics concepts and skills.  | Dissatisfied  | 2     | 5.41% |
| My child is not interested or enthusiastic about physics.                           | My child struggles with physics concepts and skills.  | Very Dissatisfied   | 1     | 2.70% |
| My child is moderately interested in and enthusiastic about physics.                | My child has an adequate grasp of physics concepts and skills.                                  | Dissatisfied  | 2     | 5.41% |
| My child is moderately interested in and enthusiastic about physics.                | My child has an exceptional grasp of physics concepts and skills.                               | Satisfied   | 2     | 5.41% |
| My child is moderately interested in and enthusiastic about physics.                | My child struggles with physics concepts and skills.  | Very Dissatisfied   | 2     | 5.41% |
| My child is moderately interested in and enthusiastic about physics.                | My child has an adequate grasp of physics concepts and skills.                                  | Very satisfied  | 1     | 2.70% |

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| My child is moderately interested in and enthusiastic about physics. | My child has an exceptional grasp of physics concepts and skills. | Very satisfied    | 1  | 2.70%  |
| My child is keenly interested in and enthusiastic about physics.     | My child has an exceptional grasp of physics concepts and skills. | Dissatisfied      | 2  | 5.41%  |
| My child is keenly interested in and enthusiastic about physics.     | My child has an adequate grasp of physics concepts and skills.    | Satisfied         | 4  | 10.81% |
| My child is keenly interested in and enthusiastic about physics.     | My child has an exceptional grasp of physics concepts and skills. | Satisfied         | 2  | 5.41%  |
| My child is keenly interested in and enthusiastic about physics.     | My child struggles with physics concepts and skills.              | Satisfied         | 1  | 2.70%  |
| My child is keenly interested in and enthusiastic about physics.     | My child has an exceptional grasp of physics concepts and skills. | Very Dissatisfied | 3  | 8.11%  |
| My child is keenly interested in and enthusiastic about physics.     | My child struggles with physics concepts and skills.              | Very Dissatisfied | 1  | 2.70%  |
| My child is keenly interested in and enthusiastic about physics.     | My child has an exceptional grasp of physics concepts and skills. | Very satisfied    | 12 | 32.43% |

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| <b>What is most important to you in your child's high school physics education? (All respondents have had students take physics)</b>  |
| That the instructor is enthusiastic about teaching, and the teacher can teach and not read a script.  |
| That the Physics curriculum be as hands on as much as possible with math that is easy to understand.  |
| Not learning through "productive struggle" and using your own resources to find answers. The material is difficult enough. They need instruction. Also he used to be enthusiast and now hates it  |
| access to IB and AP level classes   |
| I want my child to understand physics and the principles behind it. Plus I want my child to learn how to think critically about the physics behind the phenomena that surrounds him in everyday life, to understand how to design and conduct experiments, and to accept/reject/adapt his thinking based on experimental results. I want him to really enjoy physics and science in general. I want him to get used to conducting experiments and starting to think like a scientist. |
| To make sure the student understands the concepts/curriculum. The teacher should be supportive and making sure the students understand and offering help if needed. Keep current on grades so that students know how they are doing currently in class without falling behind and then it being too late to improve their grade.  |

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| <p>The breadth of study was very limited in regular physics. It seems there should be some content on rotational motion (at minimum an introduction to torque and angular momentum), Coulombs law, circuits and waves. as well as electrical charge, force and magnetic fields. If this is not possible, more sections should be offered of advanced Physics classes. Advanced physics classes seem to be scheduled at the same time as AP/IB Calculus or statistics classes. Since many of the kids that enjoy physics also excel in advanced math my experience is that my kids have been forced to choose one over the other, forgoing stats and or physics in order to continue the accelerated math path.</p> |
| <p>Being able to see where it is applied in the world</p>  |
| <p>Learning and understanding the fundamentals of physics, and enjoying the learning process</p>   |
| <p>Instructor who can help students see link between everyday lives and physics concepts. Help students master key concepts.</p>   |
| <p>Giving inspiration to physics.</p>  |
| <p>Hands on learning (he's had this) and a teacher that provides timely feedback (has not had this). [redacted teacher specific comments] Again, if ISD raises the salaries for STEM teachers and gets some valuable folks in there, these kids will learn Physics. It's not the curriculum but that lack of great teachers that is the issue in ISD.</p>  |
| <p>The instructor and a textbook with lots of practice problems and access to solutions to check work to make sure the problems are completed accurately.</p>  |
| <p>Has a basic understanding of the world around him as explained by physics.</p>  |
| <p>Engaging and enthusiastic teacher</p>   |
| <p>It's most important that she get a solid foundation in physics and is ready for [advanced] Physics.</p>   |
| <p>Enough practice problems were assigned to the student to master problem solving for the concepts.</p>   |
| <p>These are the critically important aspects 1) The innate curiosity in the child should be nurtured and encouraged 2) the child should come away with a sense of wonder for how nature works 3) the child should be able to understand concepts and apply them to real life in simple situations 4) The child should be given opportunities to explore physics in and out of school</p>  |
| <p>Engaging, covers topics thoroughly, includes application problems with examples from life</p>   |
| <p>Organization</p>  |
| <p>It is important that physics be taught through application and relevance to everyday life. Children at this age I believe are more willing to put effort into something they know is useful to their lives.</p>   |
| <p>Once again the [redacted] Gen. Physics curriculum lacks breadth and depth, just like the Gen. Chem. The teacher is also not that great. [redacted]</p>  |
| <p>I want my child to gain not just a knowledge of Physics, but also a curiosity. The Physics department at their High School can be said to do the opposite, with the sole intention of the class to finish the work, rather than learn, ironically inhibiting their retention of knowledge.</p>  |
| <p>Physics is very important subject and should be available as a[n advanced] course.</p>  |
| <p>College Readiness. Learn advanced physics topics and concepts</p>   |
| <p>Get teachers that can actually teach physics material and test on what they teach in the classroom (when they actually decide to teach, which is rare). Remember a regular high school physics class is (not advanced, honors, or AP) should be just that: beginning physics. Stop t achingbthis class at such an advanced level and failing students.</p>  |
| <p>For my child to understand the material taught in class and be able to complete homework with confidence. Instead, my child doesn't understand what's happening in class so they are frustrated, angry and avoiding homework which is leading them to a 3rd failing grade this semester.</p>  |
| <p>He gets good grades. Which [redacted] does not allow.</p>   |

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| Learning basic physics and getting an A if they put in the effort.  |
| Que ella pueda entender conceptos fisicos y aplicarlos en su vida cotiniana GOOGLE TRANSLATE:<br>That she can understand physical concepts and apply them in her life forward |
| Inculcating an enthusiasm for Physics.  |
| Hand on experiments   |
| For it to be fun  |

| Has your child taken high school physics?               | Is there any other info you want to share?   |
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| Not yet, but my child plans to take high school physics | how about 7 periods every day like Bellevue school district?   |
| Not yet, but my child plans to take high school physics | It is always helpful to have online resources linked to the textbook with additional information and practice problems. This helps reinforce what the student is learning.   |
| Not yet, but my child plans to take high school physics | We support an appropriately rigorous and experiential learning based curriculum in the hard sciences as preparation for college.   |
| Not yet, but my child plans to take high school physics | I think it is very important for the students to have hands-on demonstrations. Also, please make sure that they learn the formulas, what they mean, and how to use them. Calculators are ok, but they shouldn't lose sight of what is happening in the formulas. |
| Not yet, but my child plans to take high school physics | Emphasize the scientific method. Find real world examples that might be of interest to students to demonstrate the gee wiz factor of physics!  |
| Not yet, but my child plans to take high school physics | [redacted] is a nightmare as a teacher. Children don't take chem and physics or learn to hate it because of [this teacher]   |
| Not yet, but my child plans to take high school physics | Please make this class doable for all learning styles and levels not just the top level academic kids. My B/C student may want to take this class but fear of it being too hard and dropping the GPA is holding him back.  |
| Not yet, but my child plans to take high school physics | We feel very strongly that the district offer rigorous Physics, ... & [advanced] Physics courses with extensive lab work, as Physics theories really come to life through real world application. Can't stress this enough.                                      |
| Not yet, but my child plans to take high school physics | Curriculum should contain hands on demonstrations of concepts to enable students to translate theory into practice.  |

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| <p>Not yet, but my child plans to take high school physics</p> | <p>needs college prep level physics</p>  |
| <p>Not yet, but my child plans to take high school physics</p> | <p>How does knowing if my child my take Physics and if he/she speaks English going to help you decide on a curriculum. This survey, and the one for Chemistry, appears to be a waste of time.</p>  |
| <p>Not yet, but my child plans to take high school physics</p> | <p>She would like to take but currently may not have room in her schedule with our science classes &amp; [advanced] courses taking precedence.</p>   |
| <p>Not yet, but my child plans to take high school physics</p> | <p>Please choose a curriculum that has emphasis on laboratories so that students relate to the abstract concepts by seeing the phenomena. Please focus on helping students learn concepts but especially learn them in a way they will retain the knowledge and be prepared for further study in physics. Research has shown girls prefer physics concepts of light first (earlier in curricular year); boys prefer forces and motion concepts first. Consider offering gendered classes to increase engagement in the subject. Research has also shown girls perform poorly in small group settings when they are outnumbered by boys (boy culture then dominates). Consider instead placing all the girls into girl groups and all the boys into boy groups. Minimally, place mixed gender groups with even gender numbers or all boys. Also make darn sure the girls are engaged in the labs and not just taking the notes like a secretary for the boys!</p> |
| <p>Not yet, but my child plans to take high school physics</p> | <p>I believe that a textbook that has many solved examples or access to solved problems, with good explanations of the concepts is going to be beneficial.</p>   |
| <p>Yes</p>   | <p>Permit kids pass Ap exams through self study and get credits ...</p>  |
| <p>Yes</p>   | <p>Webassign for physics homework is not a productive use of students time</p>   |
| <p>Yes</p>   | <p>Use a proven math based methods and materials of teaching science rather than newer whole concept type materials/methods.</p>   |
| <p>Yes</p>   | <p>I hear from my kids that the physics experience at [redacted] requires them to think for themselves without much help from the teachers. I don't know if that is true but it is, then that's a great idea. I would like the teachers to reinforce the idea that after understanding the principles, understanding physics requires understanding the application of the principles in lots of different situations. That means solving problems, lots and lots of them. The students need to learn that that is the way to deep understanding of physics and success in the [advanced] exams. Our teachers should make that point.</p>  |
| <p>Yes</p>   | <p>Nah</p>   |
| <p>Yes</p>   | <p>My impression is that the Physics instructor appears to be just reading notes to the students instead of engaging in an interactive teaching experience. Would it be possible for [redacted] team to visit [redacted] classroom to verify that good practices are being followed.</p>   |

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| <p>Yes</p> | <p>Having had two kids go through Physics through [redacted], I can say that it was an underwhelming experience. My older child's [advanced] Physics class did not even cover the entire syllabus [redacted]. He did not learn the key skills that I was expecting. So I am teaching my younger son who is also going to go through [redacted]. Science education in this day and age should be given more importance than it is given at [redacted]. Otherwise, we are just not doing right by these kids.</p> |
| <p>Yes</p> | <p>At [redacted], the teachers are exceptional. One of my child's favorite teachers is [redacted], the general physics teacher in the school. Although the curriculum is somewhat lacking for particularly driven or unmotivated children, it is in general (from what I've heard) a very quality program.</p>  |
| <p>Yes</p> | <p>Need better teacher [redacted] not good), and a curriculum that expands on both depth and breadth at [redacted] The [redacted] Gen. Chem. is much better, both in terms of teaching quality and the depth of coverage.</p>   |
| <p>Yes</p> | <p>Adopting a new curriculum is great, but you also need to make sure your teachers are doing their job and teaching an appropriately in the classroom.</p>   |
| <p>Yes</p> | <p>I wish [specific advanced] Physics could have multiple teachers not just one.</p>  |
| <p>Yes</p> | <p>La profesora no da conceptos claros. Los procesos q manejan no son los mejores.<br/>GOOGLE TRANSLATE:<br/>The teacher does not give clear concepts. The processes they handle are not the best.</p>  |
| <p>Yes</p> | <p>I feel that the kids who want to pursue in physics area, the school should provide [higher level] option...</p>  |