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## 36 Possible Careers for Grade 10 Learners Taking Pure Sciences in Senior School



by Michael Owino — December 28, 2025 Reading Time: 12 mins read



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As learners prepare to transition to Grade 10 in Senior School following the release of the Kenya Junior School Education Assessment (KJSEA) results, the Ministry of Education has outlined possible career paths learners can pursue after completing Senior School, depending on their chosen pathways.

Under the Competency-Based Education (CBE) curriculum, Pure Sciences form a specialised track within the STEM pathway. This track is designed for learners interested in scientific research, innovation, technology, and related professions.

The core subjects in the Pure Sciences track are Biology, Chemistry, Physics, and Mathematics.

### 36 Possible Careers for Grade 10 Learners Taking Pure Sciences

At Senior School level, learners select three subjects from their chosen pathway and combine them with four compulsory core subjects: English, Kiswahili or Kenyan Sign Language (KSL), Physical Education, and Community Service Learning. These subject combinations determine the career options learners can pursue after Senior School.

**Also Read: [List of Approved Humanities and Business Studies Textbooks for Grade 10 Learners in Senior Schools](#)**

According to the Ministry of Education, several subject combinations are available under the Pure Sciences track, each aligned with specific career pathways.

According to the Ministry of Education, the available subject combinations include the following:

### 36 Possible Careers for Grade 10 Learners Pursuing Pure Sciences

<b>ST10 44</b>	<b>Biology, Building &amp; Construction, Chemistry</b>	<b>Pure Sciences</b>
<b>ST10 42</b>	<b>Agriculture, Biology, Chemistry</b>	<b>Pure Sciences</b>
<b>ST10 26</b>	<b>Core Mathematics, Business Studies, General Science</b>	<b>Pure Sciences</b>
<b>ST10 35</b>	<b>Core Mathematics, Electricity, Physics</b>	<b>Pure Sciences</b>
<b>ST10 05</b>	<b>Core Mathematics, Biology, Building &amp; Construction</b>	<b>Pure Sciences</b>
<b>ST10 39</b>	<b>Core Mathematics, Metal Work, Physics</b>	<b>Pure Sciences</b>
<b>ST10 16</b>	<b>Core Mathematics, Chemistry, Geography</b>	<b>Pure Sciences</b>
<b>ST10 43</b>	<b>Aviation, Biology, Chemistry</b>	<b>Pure Sciences</b>
<b>ST10 22</b>	<b>Core Mathematics, Chemistry, Wood Work</b>	<b>Pure Sciences</b>
<b>ST10 08</b>	<b>Core Mathematics, Biology, Power Mechanics</b>	<b>Pure Sciences</b>
<b>ST10 18</b>	<b>Core Mathematics, Chemistry, Marine &amp; Fisheries</b>	<b>Pure Sciences</b>
<b>ST10 15</b>	<b>Core Mathematics, Chemistry, Electricity</b>	<b>Pure Sciences</b>
<b>ST10 07</b>	<b>Core Mathematics, Biology, Physics</b>	<b>Pure Sciences</b>
<b>ST10 24</b>	<b>Core Mathematics, Aviation, General Science</b>	<b>Pure Sciences</b>
<b>ST10 34 ▴</b>	<b>Core Mathematics, Computer Studies, Physics ▴</b>	<b>Pure Sciences</b>

<b>ST10 23</b>	<b>Core Mathematics, Agriculture, General Science</b>	<b>Pure Sciences</b>
<b>ST10 33</b>	<b>Core Mathematics, Business Studies, Physics</b>	<b>Pure Sciences</b>
<b>ST10 10</b>	<b>Core Mathematics, Agriculture, Chemistry</b>	<b>Pure Sciences</b>
<b>ST10 06</b>	<b>Core Mathematics, Biology, Metal Work</b>	<b>Pure Sciences</b>
<b>ST10 11</b>	<b>Core Mathematics, Aviation, Chemistry</b>	<b>Pure Sciences</b>
<b>ST10 04</b>	<b>Core Mathematics, Biology, Chemistry</b>	<b>Pure Sciences</b>
<b>ST10 38</b>	<b>Core Mathematics, Marine &amp; Fisheries, Physics</b>	<b>Pure Sciences</b>
<b>ST10 41</b>	<b>Core Mathematics, Physics, Wood Work</b>	<b>Pure Sciences</b>
<b>ST10 31</b>	<b>Core Mathematics, Aviation, Physics</b>	<b>Pure Sciences</b>
<b>ST10 47</b>	<b>Core Mathematics, Biology, Marine &amp; Fisheries</b>	<b>Pure Sciences</b>
<b>ST10 09</b>	<b>Core Mathematics, Biology, Wood Work</b>	<b>Pure Sciences</b>
<b>ST10 28</b>	<b>Core Mathematics, General Science, Geography</b>	<b>Pure Sciences</b>
<b>ST10 30</b>	<b>Core Mathematics, Agriculture, Physics</b>	<b>Pure Sciences</b>
<b>ST10 45</b>	<b>Biology, Business Studies, Chemistry</b>	<b>Pure Sciences</b>
<b>ST10 12</b>	<b>Core Mathematics, Building &amp; Construction, Chemistry</b>	<b>Pure Sciences</b>

<b>ST10 14</b>	<b>Core Mathematics, Chemistry, Computer Studies</b>	<b>Pure Sciences</b>
<b>ST10 02</b>	<b>Core Mathematics, Aviation, Biology</b>	<b>Pure Sciences</b>
<b>ST10 01</b>	<b>Core Mathematics, Agriculture, Biology</b>	<b>Pure Sciences</b>
<b>ST10 21</b>	<b>Core Mathematics, Chemistry, Power Mechanics</b>	<b>Pure Sciences</b>
<b>ST10 46</b>	<b>Biology, Chemistry, Computer Studies</b>	<b>Pure Sciences</b>
<b>ST10 19</b>	<b>Core Mathematics, Chemistry, Metal Work</b>	<b>Pure Sciences</b>
<b>ST10 40</b>	<b>Core Mathematics, Physics, Power Mechanics</b>	<b>Pure Sciences</b>
<b>ST10 32</b>	<b>Core Mathematics, Building &amp; Construction, Physics</b>	<b>Pure Sciences</b>
<b>ST10 13</b>	<b>Core Mathematics, Business Studies, Chemistry</b>	<b>Pure Sciences</b>
<b>ST10 36</b>	<b>Core Mathematics, Geography, Physics</b>	<b>Pure Sciences</b>
<b>ST10 17</b>	<b>Core Mathematics, Chemistry, Home Science</b>	<b>Pure Sciences</b>
<b>ST10 37</b>	<b>Core Mathematics, Home Science, Physics</b>	<b>Pure Sciences</b>
<b>ST10 29</b>	<b>Core Mathematics, General Science, Home Science</b>	<b>Pure Sciences</b>
<b>ST10 27</b>	<b>Core Mathematics, Computer Studies, General Science</b>	<b>Pure Sciences</b>
<b>ST10 25</b>	<b>Core Mathematics, Building &amp; Construction, General Science</b>	<b>Pure Sciences</b>

<b>ST10 20</b>	<b>Core Mathematics, Chemistry, Physics</b>	<b>Pure Sciences</b>
<b>ST10 03</b>	<b>Core Mathematics, Biology, Business Studies</b>	<b>Pure Sciences</b>

According to the Ministry of Education, pursuing Pure Sciences in senior school can open doors to the following career options:

- Research Scientist
- Biologist
- Chemist
- Physicist
- Astronomer
- Mathematician
- Geologist
- Ecologist
- Oceanographer
- Meteorologist
- Seismologist
- Biophysicist
- Climatologist
- Paleontologist
- Engineer
- Environmental Scientist
- Forensic Scientist
- Medical Technologist
- Pharmacist

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▪ Materials Scientist

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- Industrial Designer
- Quality Assurance (QA) Engineer
- Petroleum Engineer
- Nuclear Engineer
- Renewable Energy Specialist
- Water Resource Engineer
- Safety Engineer
- Science Educator
- Neurologist
- Botanist
- Zoologist
- Geneticist
- Astrophysicist
- Entomologist

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CS Julius Ogamba with PS Julius Bitok during the release of the first-ever Kenya Junior School Education Assessment (KJSEA) results at the Kenya National Examinations Council (KNEC) offices in Mitihani House, Nairobi. PHOTO/CS Ogamba

Tags: [CBC](#) [KJSEA](#)



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**Donna** 🕒 4 days ago

You confused us parents since Grade 3 thou its ok.  
Lets believe and hope the transition would at long last make sense.

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**Robert** 🕒 4 days ago

Nothing changes that much if our children are trapped on screens doing the wrong things

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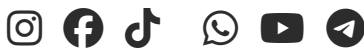
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