



FOUNDATIONS OF TECHNOLOGY





Foundations of Technology

Welcome to Foundations of Technology, an engaging introductory program tailored for ninth and tenth graders. Through hands-on activities and a year-long curriculum, students explore various career paths like welding, auto repair, carpentry, health sciences, culinary arts, and electrical technology, gaining practical skills and valuable insights for their future endeavors at Region 10.

Foundations offers an innovative approach for ninth and tenth graders who desire a thorough introduction to Region 10's diverse offerings so they can make an informed decision about future career paths. Through a year-long curriculum, students engage in a dynamic exploration of various professions, including health sciences, culinary arts, automotive technology, metal fabrication, early childhood education, and digital media. This immersive experience

not only familiarizes students with industry-standard tools and technologies but also instills essential skills in industrial safety, hand and power tools, and relevant mathematics and writing techniques, such as measuring, fractions, and estimating. Emphasizing hands-on learning, Foundations allows students to delve into diverse professions through interactive activities, enabling them to gain practical insights and "try on"

different roles within these fields. Students enrolled in Foundations will also participate in their social studies curriculum at Region 10, dividing their day between the Foundations program and dedicated social studies instruction. Whenever feasible, the social studies curriculum will align with workplace-related themes and issues, enhancing students' understanding of the practical applications of their studies.

Exploring Career Pathways



Foundations of Technology serves as the starting point for students to explore potential career paths, offering them the opportunity to sample the diverse range of technical programs available at Region 10 Technical High School

Beginning to consider career paths in ninth and tenth grade can profoundly shape future success. At this pivotal stage, students can explore their interests, discover their strengths, and make informed decisions about their educational and professional aspirations. The Foundations of Technology program at Region 10 provides students with the ideal platform to embark on this journey of self-discovery, offering them the opportunity to sample a diverse range of technical programs. workforce. By engaging in career exploration early on through this program, students can chart a course towards a fulfilling and rewarding career, equipped with the knowledge and skills needed to thrive in today's dynamic workforce.

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By envisioning your career path today, you lay the foundation for your future success. Career planning is not just about where you are now, but where you aspire to be tomorrow.

Automotive Careers

Region 10 presents two distinct pathways for individuals passionate about automotive careers: Auto Tech, focusing on mechanical aspects of vehicle maintenance, and Auto Collision & Restoration, specializing in dent and collision repair.

Construction Related Careers

Explore Construction-related Careers at Region 10 through pathways like Building Trades, emphasizing construction skills, Electrical Technology, focusing on electrical systems, and Welding & Metal Fabrication, delving into metalworking techniques. Through hands-on training and expert instruction, students in these pathways gain practical experience and industry-relevant certifications, preparing them for successful careers in the dynamic field of construction.

Small Engine Careers

Discover Small Engine Careers at Region 10 with a focus on Outdoor Power Equipment, where students delve into the maintenance and repair of engines used in outdoor equipment such as marine engines, lawnmowers, chainsaws, and snow blowers.

Health Science Careers

Within the realm of Health Science Careers, Region 10 offers two pathways: EMT, which concentrates on emergency medical response, and CNA, which focuses on providing essential care and support to patients in healthcare settings.

Digital Careers

Dive into Digital Careers at Region 10 through pathways like Creative Digital Media, where students explore Adobe software for creative expression, and Cyber Security, focusing on safeguarding digital assets and networks.

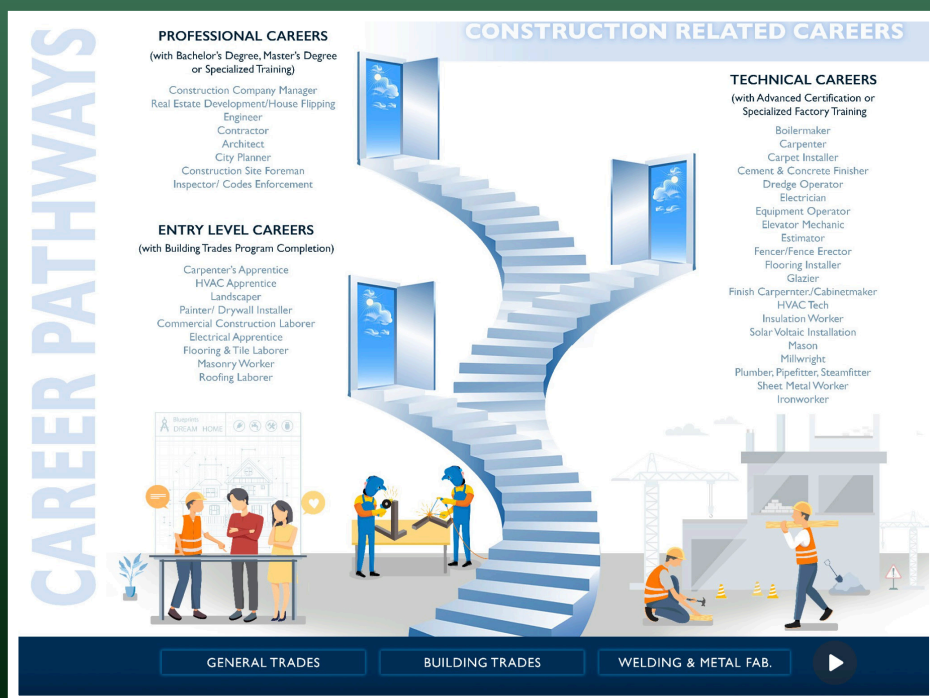
Early Childhood Careers

Early Childhood Careers at Region 10 encompasses the foundational principles and practices in child development, education, and caregiving.

Culinary Careers

Culinary Arts introduces students to the Culinary Pathway, where they learn fundamental techniques and explore the creativity of food preparation, gaining essential skills for the culinary industry.

Scan to see our Career Pathways flipbook, containing comprehensive information about various careers, including details on salaries and required education levels.



Foundations of Technology Curriculum

Navigating Career Opportunities

The Foundation of Technology program is a hands-on survey course which introduces students to the twelve diverse program offerings available at Region 10. Through relevant project-based learning experiences, students actively engage with technical education pathways, gaining practical skills and insights to make informed decisions about their academic and career interests.

Culinary Arts

Embark on an exciting culinary journey in the Introduction to Culinary Arts module of the Foundation of Technology program. Through hands-on cooking sessions, students explore diverse cuisines, learn fundamental culinary techniques, and develop an appreciation for ingredients and flavor profiles, setting the stage for a future in the dynamic culinary industry.





Early Childhood Education

Step into the world of early childhood education in the Foundation of Technology program's Early Childhood module. Through interactive lessons and practical experiences, students gain insights into child development theories, explore innovative teaching strategies, and engage in hands-on activities to understand the vital role educators play in shaping young minds.

Outdoor Power Equipment

Delve into the mechanics of outdoor power equipment in the Small Engines module of the Foundation of Technology program. Through comprehensive training sessions and troubleshooting exercises, students acquire practical skills in engine repair, maintenance, and safety protocols, empowering them to become proficient technicians in the outdoor power equipment industry.

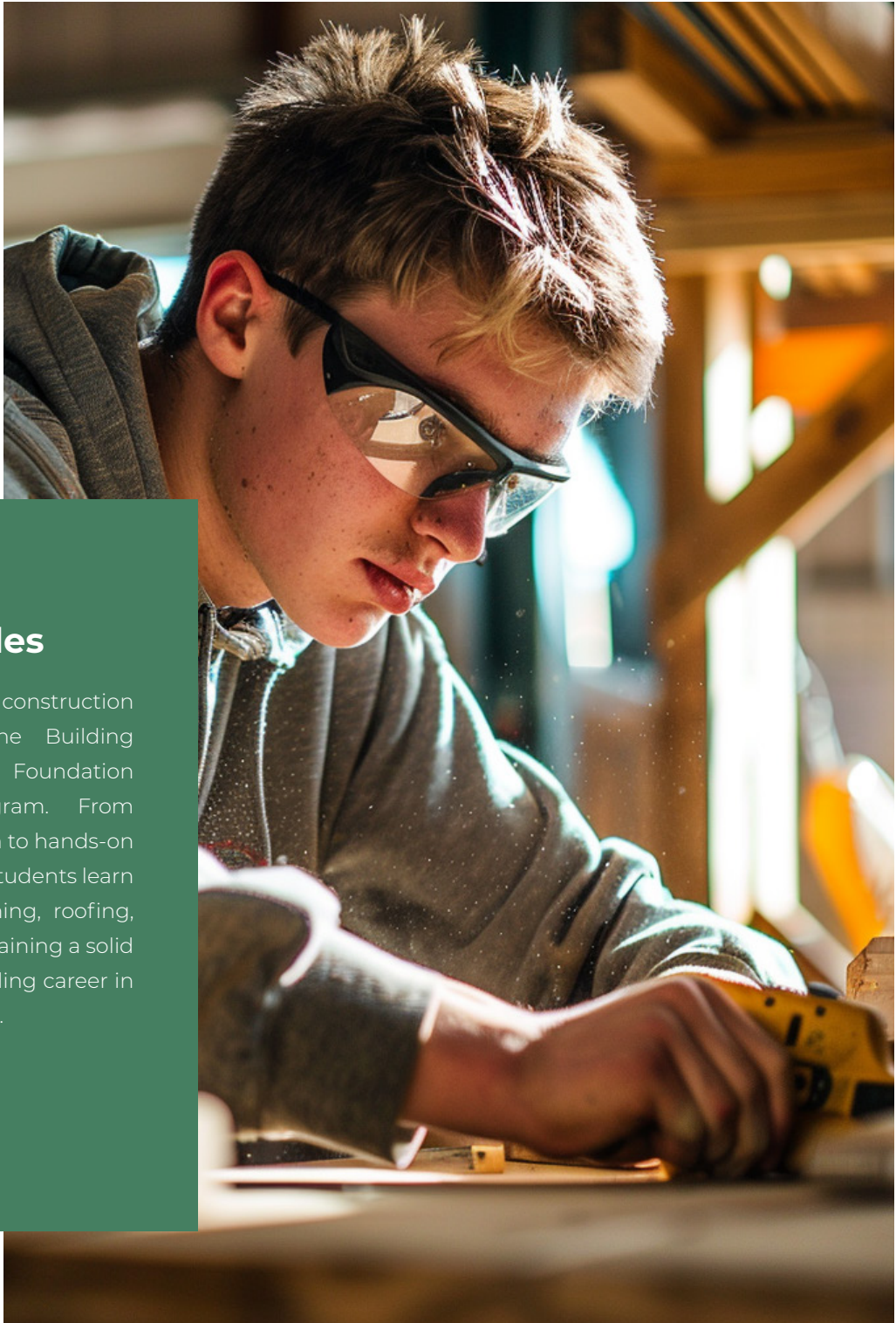


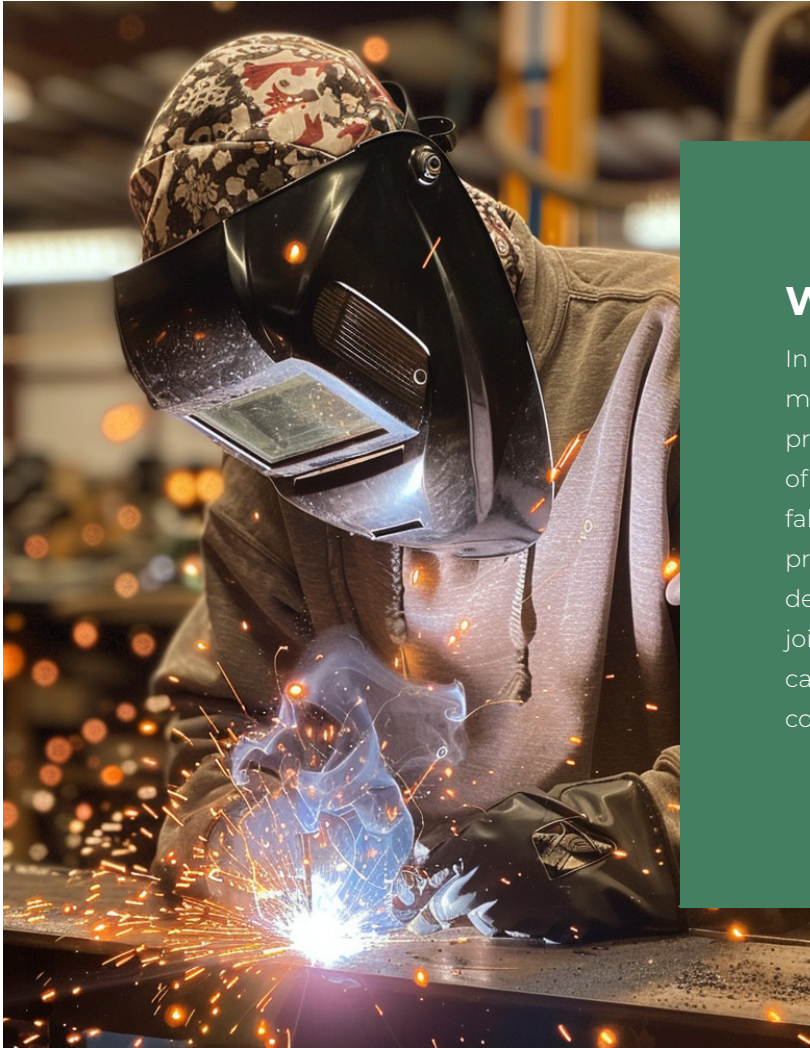
Foundations of Technology Curriculum

Navigating Career Opportunities

Building Trades

Explore the world of construction and carpentry in the Building Trades module of the Foundation of Technology program. From blueprint interpretation to hands-on construction projects, students learn essential skills in framing, roofing, and interior finishing, gaining a solid foundation for a rewarding career in the construction trades.





Welding

In the Welding and Metal Fabrication module of the Foundation of Technology program, students dive into the principles of metalworking, welding techniques, and fabrication processes. Through hands-on projects and demonstrations, students develop essential skills in metal cutting, joining, and shaping, preparing them for careers in industries such as manufacturing, construction, and automotive.

Auto Collision & Restoration

In the Auto Collision and Restoration module of the Foundation of Technology program, students explore the art and science of automotive repair and refinishing. Through hands-on projects and demonstrations, students learn techniques in dent repair, paint application, and vehicle restoration, equipping them with skills for careers in the automotive industry.

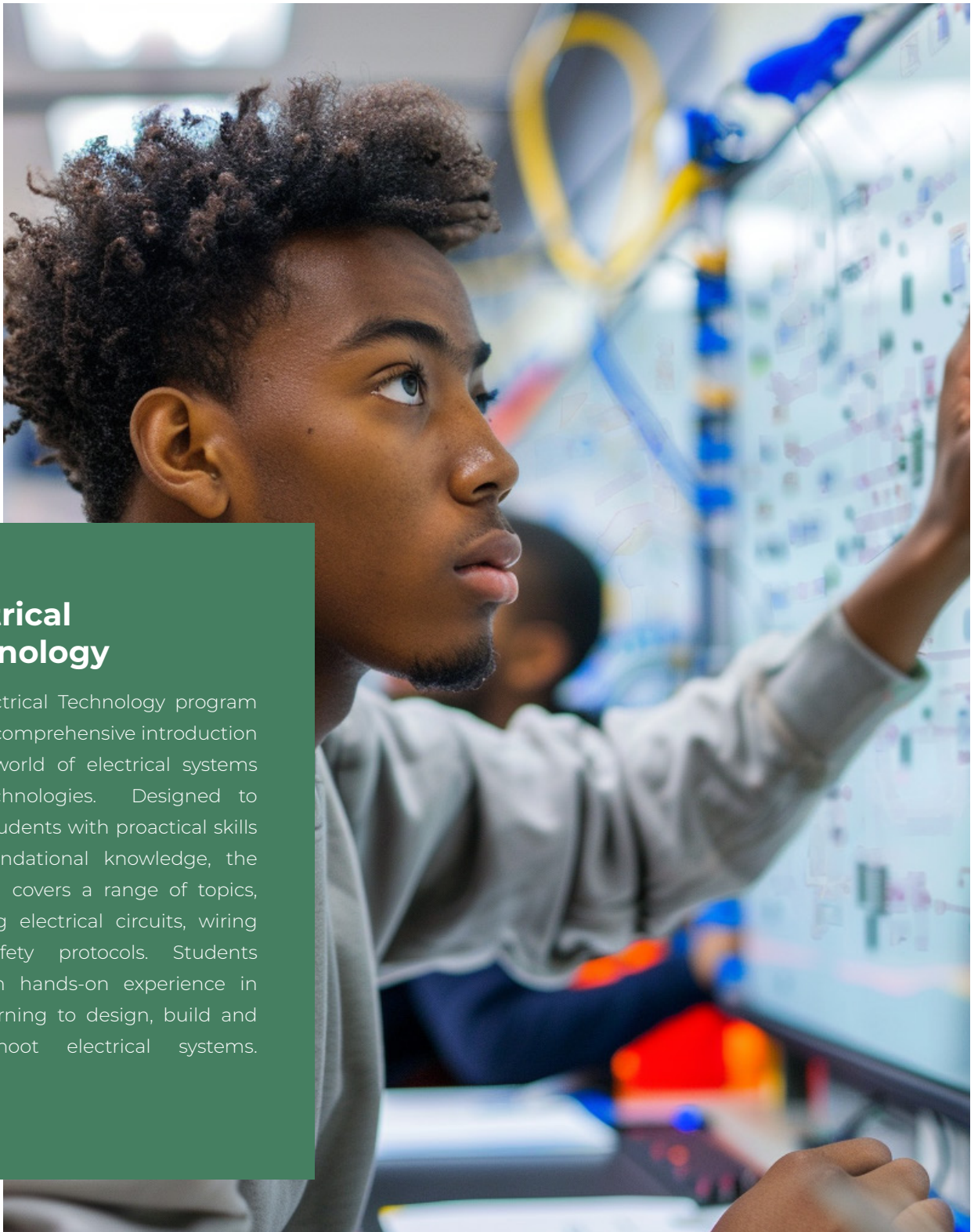


Foundations of Technology Curriculum

Navigating Career Opportunities

Electrical Technology

The Electrical Technology program offers a comprehensive introduction to the world of electrical systems and technologies. Designed to equip students with practical skills and foundational knowledge, the program covers a range of topics, including electrical circuits, wiring and safety protocols. Students will gain hands-on experience in labs, learning to design, build and troubleshoot electrical systems.





EMT

The EMT program provides students with essential skills for emergency services. Covering topics like patient assessment, basic life support, and trauma response, the curriculum combines theoretical knowledge with practical exercises and simulations. Students also develop communication, professionalism and teamwork skills. Upon completion, graduates will hold an EMT certification and may apply for a myriad of entry-level positions or may choose to further their education in health care now that a strong foundational base has been established.

Creative Digital Media

The Creative Digital Media program introduces students to Adobe software while covering various aspects of digital media production, including graphic design, video editing, animation and web development. Students will engage in hands on projects learning to create compelling content across multiple platforms. The program also emphasizes critical skills such as storytelling, visual communication, creative problem solving, preparing students for diverse career opportunities in digital media.

Incoming 9th graders may apply for this program if they have a high academic standing.



Foundations of Technology Curriculum

Navigating Career Opportunities

Certified Nursing Assistant (C.N.A.)

The CNA program offers high school students foundational skills in patient care, including assistance with daily activities, vital sign monitoring, and medical documentation. The curriculum combines classroom instruction with clinical practice, preparing students for immediate entry into healthcare or further nursing studies.

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Cyber Security

The Informational Technology and Cyber Security program provides students with a solid foundation in digital security, covering topics such as network protection, ethical hacking, and encryption. Through hands-on exercises and simulations, students learn to safeguard systems against cyber threats, preparing them for further studies or entry level roles in the IT and cyber security sectors.

Auto Technology

The Automotive Technology program introduces students to the fundamentals of car maintenance, repair and diagnostics. The curriculum covers engine systems, transmission and digital diagnostics, offering hands-on experience in automotive workshops. Graduates are prepared for immediate entry into the auto industry or further technical studies.



How to Apply to Region 10

It's as simple as 1,2,3

APPLICATION WINDOW OPENS IN JANUARY FOR FOLLOWING SCHOOL YEAR

If you find a program that interests you, we encourage you to apply to Region 10 Technical High School. Understanding the three steps required for successful enrollment and knowing when to apply to the school is essential.

1

SUBMIT ONLINE APPLICATION

Complete the brief online application at www.r10tech.org. Submission of this form will send an e-mail to parents requesting their signature. Thus, the parent's e-mail address is needed for this form.

2

VISIT THE SCHOOL & MEET INSTRUCTOR

Once your application is received, you'll be invited to visit our school. **Your application becomes valid only after meeting with the program instructor.** Your guidance counselor will arrange this visit

3

APPLICATION CONSIDERATION PROCESS

After your school visit, our administration, in coordination with your guidance counselor, will evaluate if Region 10 is the right fit for you. You will be notified by mail.

EARLY CONSIDERATION

Due to our low student-to-teacher ratio, our classes tend to reach capacity rapidly. If you were waitlisted last year or are genuinely committed to securing a spot in a program at Region 10, we encourage you to submit your application early for Early Consideration. During a brief window from mid-November to early December, we accept early consideration applications, which often receive priority consideration as they demonstrate a strong commitment from the student.



Within each promising horizon
lies the echo of a solitary stride
forward.



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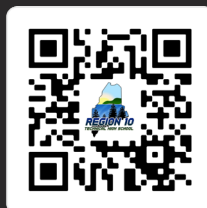
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Apply Now!