

Coming FALL 2018...



RVS INNOVATION BY DESIGN



AT CHESTERMERE HIGH SCHOOL

Do you want to choose how you learn?

The RVS Innovation By Design cohort is an opportunity for students to engage in real world problems and design solutions through their own innovation and creativity. By applying a variety of inquiry approaches (i.e scientific method, project based learning, storytelling, global perspectives), student work will focus on creation and action to positively impact the world.

Innovation By Design has a strong focus on student choice, integrated cross-curricular projects, and instructional design based on the principles of Inquiry and Design thinking. The program is designed to run as a true cohort experience in the mornings with students working on projects designed to help them achieve outcomes in ELA 10-1, SS 10-1, Math 10C, Science 10. Students will still have the opportunity to engage in their own course selection in the afternoons.

Students in this program are set up for success in their future years of learning as they will not only have the requisite knowledge, but also the skills of a strong 21st Century learner.



The Short Version (tl;dr)

The Innovation By Design cohort is a unique opportunity for Grade 10 students at Chestermere High School where learning experiences are designed around student curiosity and interests. Students learn their core subjects through cross-curricular projects, collaborative inquiry and the application of their learning to solve real world problems.



BOYAN SLAT

19 year old student who created a way to clean up the plastics in the world's oceans.



WILLIAM KAMKWAMBA

At age 14, he built a windmill to power his family's home.



THOMAS SUAREZ

12 year old, self-taught app developer who teaches others how to create apps.

Q & A

How long is the program?

The cohort of 30+ students will stay together for the full grade 10 school year for all core subjects.

What will a day look like?

Mornings will be spent learning core subjects through topic exploration, and the application of student learning to develop possible solutions to contextual problems. Students will use the Design Process to guide their inquiry and projects, with a focus on making and creating, as well as personal reflection.

In the afternoons, students will participate in the required CALM and Physical Education components, as well engage in their own course selection in the afternoons.

Is there a grade 11 and 12 program?

There are some similar opportunities at the grade 11 level:

- Combined English 20-1 and Biology 20 (Biolith)
- Combined Physics 20, Math 20-1, and Robotics

There are currently no similar programs at the grade 12 level.

Will I be ready for grade 11 subjects?

This program will give you the opportunity to be fully prepared for English 20-1, Social Studies 20-1, Physics 20, Biology 20, Chemistry 20, Science 20, Math 20-1 and a wide variety of CTS options. Your teachers are experienced in these subjects and will ensure you are ready for whatever path you choose for grade 11 and 12.

Is there an extra cost for this program?

There are no extra fees above the standard grade 10 school, course and field trip fees. However, there is the possibility of needing to purchase supplies for projects.

Can I be involved in extracurricular activities?

Yes. You are in class the same hours as all other students.

What credits can I earn?

- English 10-1 (5 credits)
- Math 10C (5 credits)
- Science 10 (5 credits)
- Social Studies 10-1 (5 credits)
- CTS Credits (approx. 10 credits) from Design Studies, Communication Technology, Environmental Stewardship, Agriculture Studies, and others that arise from student interest.

How will I learn and be assessed on the course material?

The learning outcomes from the grade 10 courses will be learned and/or reinforced through cross-curricular inquiry projects. Most assessment will be based on your project work, but there will be some quizzes and tests as well.

The program's flexibility offers students some individual choice of how their learning will be assessed dependent on their own learning needs.

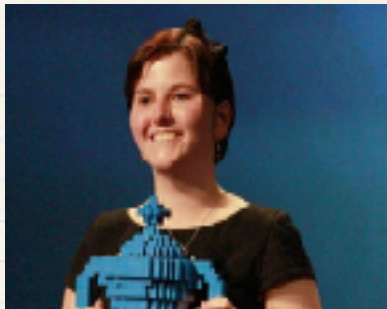
Should I apply? Ask yourself:

- Do I enjoy challenging problem solving with unique, creative perspectives and addressing current issues in society?
- Do I want to have input in how I demonstrate my learning?
- Do I enjoy learning and working with others?
- Am I good at respecting other people's opinions and learning from them?
- Am I a self-directed learner?
- Do I like working on hands-on design projects?



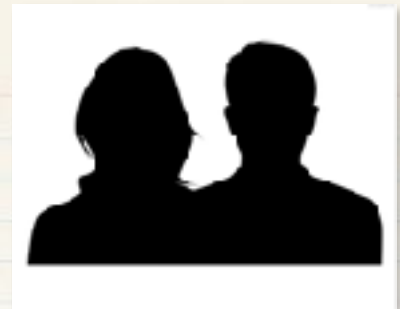
JACK ANDRAKA

16 year old inventor of a saliva test to detect pancreatic cancer.



HAYLEY TODESKO

Calgary student who invented a way to detoxify tailings ponds in decades instead of centuries.



YOUR NAME HERE!

What will you do?

RVS Innovation By Design - How Do I Apply?

Why is there an application process?

* In this program, students will be working collaboratively on large and small projects throughout the year. It is very important that cohort members enjoy learning independently and with others and respect the opinions of others. For this reason, we are seeking students who self-identify as interested in this learning opportunity.

Should I apply? Ask yourself:

- * Do I enjoy challenging problem solving with unique, creative perspectives and addressing current issues in society?
- * Do I want to have input in how I demonstrate my learning?
- * Do I enjoy learning and working independently and with others?
- * Am I good at respecting other people's opinions and learning from them?
- * Am I a self-directed learner?
- * Do I like working on hands-on design projects?

How do I apply?

- * Submit a short written letter (maximum 250 words) or short video (approximately 1 minute) explaining why you think you would do well in the Innovation By Design cohort.
 - * Email this to swiens@rvschools.ab.ca
 - * You will receive an email reply saying "Thank you for your application." If you do not receive this reply, please check the email address and try again until you do get a reply.
- * When do I need to have my application in?
 - * Tuesday, May 31
- * How will applicants be selected?
 - * If more than 30 students apply for the program there will be a random draw of names and possibly an interview process.
- * Who can I contact if I or my parents/guardians have questions?
 - * If you have any questions please contact
 - * Stephen Wiens at swiens@rvschools.ab.ca
 - * Kristina Wasyleczko at kwasyieczko@rvschools.ab.ca



Contact Us

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