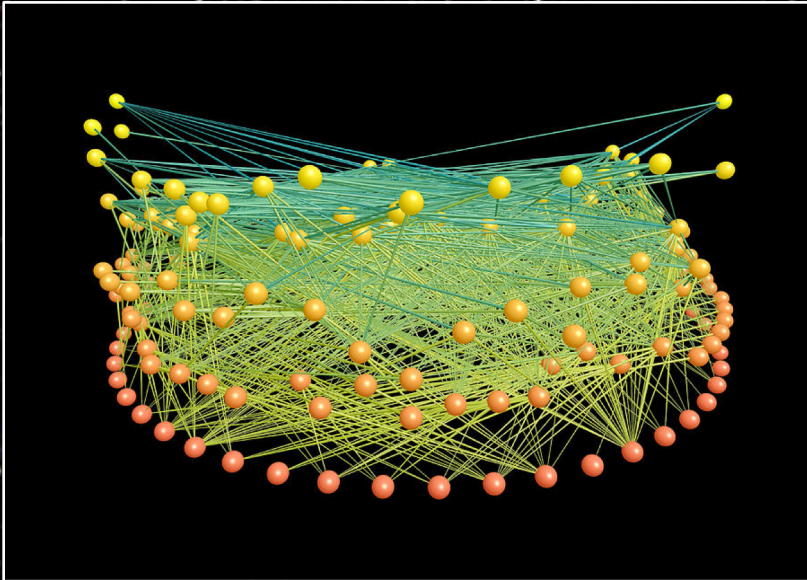
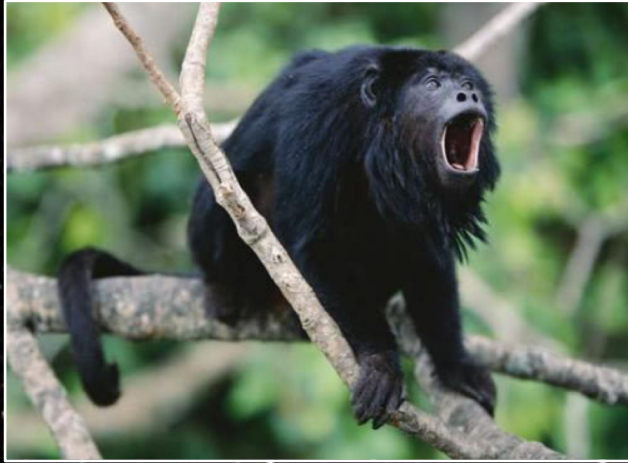


Welcome to the
Glamorgan School Science Fair
(the GSSF)

Why I love science

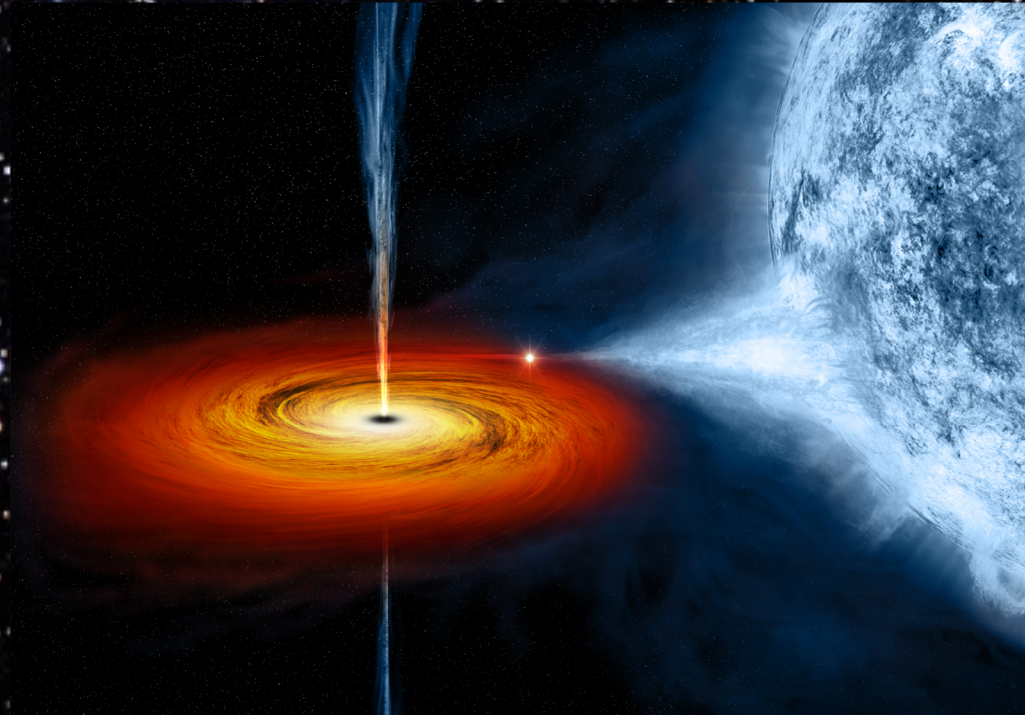


Big questions and how to answer them?

- The goal of your project will be to answer an important question in science.
- Consider who the question is important to?
- You **need** something to compare and contrast
- Projects can be experimental or research based.
- Experimental projects are much easier if you are new to Science Fair

Big questions in science – Physical and Chemical Sciences

- Matter, dark matter, and black holes
- Renewable energy and clean water
- Rising sea levels



Big questions in science – Life and Health Sciences

- Psychology, the human brain, and neuroscience
- Why can't we live forever? Diseases, cancer, aging
- Biodiversity
- Life in strange places



Big questions in science – Mathematics and Computer Sciences

- Encryption and cyber security
- Can computers get faster?
- Artificial intelligence, robotics and automation



Big questions in science – Consumer Goods

- Food shortages and alternative food sources?
- What products work best?
- How can technology improve daily life?



CYSF Awards

- Water management
- Biodiversity
- Biochemistry
- Mathematics
- Oil and Gas, Mining, Earth Resources
- Environmental issues: pollution
- Engineering: forces, structure and design

Week	<u>New Science Fair Students</u> <u>as well as other interested</u> <u>students</u> Virtual meeting: 4:30 to 5:30 pm	<u>In-person lunch</u> <u>collaborative sessions</u> <u>(required for all students)</u> For each week, you will be assigned one of the two listed days 12:30 to 1:10 pm
1	November 19 – Introductory meeting, <u>all students</u> <u>required, in person at lunch</u>	
3	November 27	N/A
4	December 4	N/A
5	December 11	December 9 or 10
7	January 15	N/A
8	January 22	January 22 or 23
9	January 29	N/A
10	February 5	N/A
11	February 12	February 10 or 11
12	February 19	N/A
13	March 6 and 7: Glamorgan School Science Fair	
April 10-12	Calgary Youth Science Fair (for those selected to continue)	

Important Information

- Attend all meetings and be active, cooperative participants
- Weekly assignments must be completed by scheduled deadlines
- Missing three, unexcused meetings or assignments they will not be able to continue with the science fair
- We will gladly meet with students to discuss individual needs but we require students to take the initiative to meet with the coordinators rather than receiving communication from parents
- Find an adult champion to support you with your project by answering questions, helping them meet deadlines, and giving constructive feedback. The project is intended to be the student's own idea and work.
- We are only able to send a limited number of projects to the CYSF. Rules for judging the Glamorgan Science Fair will be given at a later date.
- Online Google Meet code is: glamorgansf jmrip@cbe.ab.ca