

4th GRADE GT SYLLABUS Fall 2018

- **Innovation Celebration**

Students will gain an understanding of the process of innovation. An innovation is something new that can be tangible (like an invention) or intangible (like an idea). Students will develop an understanding of contributions individuals have made to society and appreciation of the impact of these contributions over time. By studying and “interacting” with famous inventors, scientists, thinkers, and philosophers, students will celebrate the spirit of innovation. They will also learn scientific and historical research and development processes. Students will find that the following elements are essential to innovation: a persistent and curious individual, a need or wish for the innovation, research processes, and a creative idea.

- **Goals**

Students will meet these goals in their explorations:

- Develop the essential skills of logical thinking, creative problem solving, intellectual risk taking, and communication
- Make connections across disciplines
- Identify a need
- Create an original idea or object that satisfies a need or addresses a problem
- Investigate whether or not the innovation already exists
- Test the innovation, make modifications, and draw conclusions
- Keep records and document progress
- Relate scientific methods to real life, including ethics
- Identify criteria for an innovation and tell how the innovation meets them
- Generalize about innovators and the creative process

- **Schedule:**

Aug 27 - Aug 31	
Mon/Wed:	(Monday Sept 4 Labor Day. School Holiday) BASELINE SURVEY
Tue/Thur:	BASELINE TESTING
Friday:	Innovation Celebration: Student will complete Invention Idea Survey.

Sep 03 - Sep 07 (MONDAY 3 rd LABOR DAY - NO SCHOOL)	
Mon/Wed:	Monday no school. Math-Extended Learning.
Tue/Thur:	Writing-Extended Learning
Friday:	Innovation Celebration: Student will complete Invention Idea Survey.

Sep 10 – Sep 14	
Mon/Wed:	Math-Extended Learning
Tue/Thur:	Writing-Extended Learning
Friday:	EARLY RELEASE

Sep 17 - Sep 21 (MONDAY 17 th STUDENT HOLIDAY)	
Mon/Wed:	Monday no school. Math-Extended Learning
Tue/Thur:	Writing-Extended Learning
Friday:	Innovation Celebration. Students will complete Invention Design Brief and start creating the prototype to test.

Sep 24 – Sep 28	
Mon/Wed:	Math-Extended Learning
Tue/Thur:	Writing-Extended Learning
Friday:	Innovation Celebration: Concept for their product is due. Mini conferences.

Oct 01 – Oct 05	
Mon/Wed::	(Monday Oct 09 – Columbus Day. School Holiday) Math-Extended Learning
Tue/Thur:	Writing-Extended Learning
Friday:	

Oct 08 – Oct 12 (MONDAY 12 th COLUMBUS DAY – NO SCHOOL)	
Mon/Wed:	Monday no school. Math-Extended Learning
Tue/Thur:	Writing-Extended Learning
Friday:	Innovation Celebration:

Oct 15 – Oct 19	
Mon-Thur:	Math-Extended Learning
Friday:	Innovation Celebration: Peer review of prototype to generate feedback as a consumer of the product.

Oct 22 – Oct 26	
Mon/Wed:	Math-Extended Learning.
Tue/Thur:	Writing-Extended Learning
Friday:	Innovation Celebration: Analysis of feedback due.

Oct 29 – Nov 02 (MONDAY 29 th STUDENT HOLIDAY)	
Mon/Wed:	Monday no school. Math-Extended Learning Study Island Program
Tue/Thur:	Writing-Extended Learning
Friday:	Innovation Celebration: Project status check. Mini conference.

Nov 05 – Nov 09	
Mon/Wed:	Math-Extended Learning Study Island Program
Tue/Thur:	Writing-Extended Learning
Friday:	Innovation Celebration: Supply list for product due.

Nov 12 –Nov 16	
Mon/Wed:	Math-Extended Learning Study Island Program
Tue/Thur:	Writing-Extended Learning
Friday:	Innovation Celebration: Start building the product.

Nov 19 – Nov 23 (THANKSGIVING BREAK)	
Mon/Wed:	Happy Thanksgiving
Tue/Thur:	Happy Thanksgiving
Friday:	Happy Thanksgiving

Nov 26 – Nov 30	
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Mon/Wed:	Math-Extended Learning Study Island Program
Tue/Thur:	Writing-Extended Learning
Friday:	Innovation Celebration: Continue building and documenting progress

Dec 03 – Dec 07	
Mon/Wed:	Math-Extended Learning
Tue/Thur:	Writing-Extended Learning
Friday:	Innovation Celebration: Project status check. Mini conference

Dec 10 – Dec 14c	
Mon/Wed:	Math-Extended Learning
Tue/Thur:	Thurs is EARLY OUT
Friday:	NO SCHOOL -

Dec 17 – 21 (EARLY RELEASE THURSDAY 20 th , NO SCHOOL FRIDAY 21 st)	
Mon/Wed:	Math-Extended Learning Study Island Program
Tue/Thur:	Writing Extension. Innovation Celebration Project Due This Week. THURS EARLY RELEASE
Friday:	NO SCHOOL

Dec 24 – Jan 07 (CHRISTMAS BREAK)	
	END OF FALL SEMESTER