



6th Grade Design Technology Syllabus

PART 1: COURSE INFORMATION

Instructor Information

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Course Description

The SJCPs 6th grade Design Technology program is designed for students to learn how to apply practical and creative thinking skills to solve technology problems through the design process. It encourages students to explore the role of technology in both historical and contemporary contexts and raises students' awareness of their responsibilities when making technology decisions and taking actions.

Inquiry and problem-solving are the main objectives of the Design/Technology course. Students are asked to inquire and analysis the problem. They are then asked to develop a solution, collaboratively or as an individual. Finally the students test and evaluate the solution. Students will reflect on their model and revisit it if necessary. Students will become actively involved in the design process from the inquiry phase through the reflection.

Textbook and Course Materials

*Students will need internet access for specific homework (reading, videos, websites) and project completion often via RenWeb and/or Hapara.com.

Course Structure

This course will expose students to a variety of technology through lecture, inquiry, discussion, individual work, group work, and class projects. These methods will engage and assist students independently and collaboratively in order to establish an appreciation for the design process.

PART 2: STUDENT LEARNING OUTCOMES

This course can be found on the Archdiocese of Atlanta Schools Curriculum Guides and IB subject guidelines. Students are encouraged to:

- ❖ enjoy the design process and develop an appreciation for its power
- ❖ develop knowledge, understanding and skills from different disciplines to design and create solutions to problems
- ❖ use and apply technology effectively as a means to access, process and communicate information, model and create solutions, and to solve problems
- ❖ develop an appreciation of the impact of design innovations for life, global society and environments
- ❖ appreciate past, present and emerging design with cultural , political, social, historical and environmental contexts
- ❖ develop respect for other's viewpoints and appreciate alternative solutions to problems
- ❖ act with integrity and honesty, and take responsibility for their own actions developing effective working practices

Students will meet the above objectives by:

- ❖ attending class
- ❖ completing classwork and homework,
- ❖ participating in class discussions and collaborative groups
- ❖ completing a variety of formative (quizzes) and summative (project) assessments

PART 3: TOPIC OUTLINE

Keyboarding	<ul style="list-style-type: none">● Proper fingering technique● Proper posture● 25 wpm
Communication and Collaboration	<ul style="list-style-type: none">● Various methods of electronic collaborative sharing● Project team work● Cross-curricular projects
Ethics and Digital Citizenship	<ul style="list-style-type: none">● Proper online behavior● Appropriate use of copyrighted material

Technology Operations and Concepts	<ul style="list-style-type: none"> ● Word processing applications ● Presentation applications ● Spreadsheet applications ● Effective file management ● Basic troubleshooting tasks ● Digital media tools (camera, video)
Creativity and Innovation	<ul style="list-style-type: none"> ● New ideas, products or processes ● Original works ● Innovative trends in technology
Critical-thinking, Problem-solving, Decision-making	<ul style="list-style-type: none"> ● Identify problems and solutions ● Develop a solution or complete a project ● Beginning proficiency in coding/computer programming
Research and Information Fluency	<ul style="list-style-type: none"> ● Locate, organize, analyze and ethically use information from a variety of sources and media ● Online databases ● Properly cite sources in MLA format

PART 4: GRADING POLICY

Graded Course Activities for grades 6th-8th

Student grades will be compiled over a nine week period.

The student's best work will always come from an interest and engagement in the class. The student's work will be evaluated based on these criteria:

S	(80-100)	Consistently superior quality. Work completed exceeds expectations. Active interest and engagement in class discussion with insightful and respectful input.
N	(70-79)	Completion of the assignments within minimum expectations. Some marked participation in class.
U	(69 or below)	Not all assignments completed properly. No effort. Disruptive behavior. Lack of participation.

Late Work Policy

Late work will not be accepted without teacher approval and a serious compelling reason. If allowed, late work will be accepted up to one week after the due date and with a maximum grade of 80%.

PART 5: COURSE POLICIES

Class Attendance - Attendance and participation is mandatory. If a student misses or is going to miss class it is his/her responsibility to contact the teacher as soon as possible. Students will be responsible for completing all missed work and getting any notes or information handed out during the time of absence. Tests and quizzes are expected to be taken on the day of return unless otherwise arranged.

Participate - Discussions, group class work, and individual class work will be monitored as part of a participation grade each grading period. Class participation is expected.

Build Rapport - A student should communicate with his/her teacher as soon as possible if he/she is having any trouble keeping up with assignments or other aspects of the course.

Students should be proactive and inform their teacher when difficulties arise during the semester so that assistance can be given immediately.

Complete Assignments - Project assignments must be submitted by the given deadline or special permission for time extension must be received from the teacher before the due date. Extensions will not be given beyond the next assignment except under extreme circumstances.

Commit to Integrity

All students in this class, and at St. Joseph Catholic Parish School, are expected to maintain high degrees of commitment to active learning, participation, and integrity in behavior in and out of the classroom.