Principals' Training Center
quality training for international educators

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PTCNET SURVEY RESULTS - 2019

Topic: Design Courses	**Date conducted:** 09-16-2019
Number of responses: 19	**Submitted by:** Jeanette Coffren

Does your school offer distinct courses in design or incorporate design concepts into other courses?

19 responses

84.2%
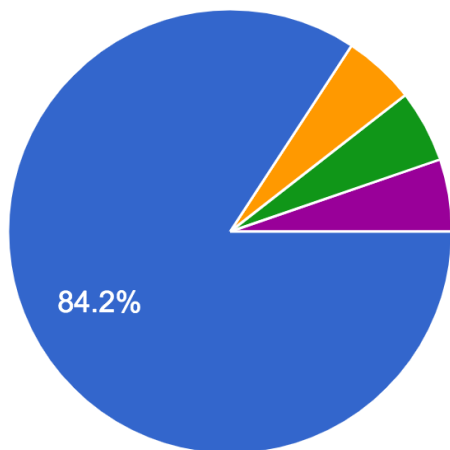
- Distinct courses in design are offered (e.g. Design Grade 8; Product Design; Web Desi…
- Design concepts are woven into other courses
- Bit of both: MYP Design courses plus starting to inte…
- Both of these options
- We do both of the above options. Design Courses in…

Please list the types of design courses offered at your school (e.g. Web Design, Product Design, Architecture, etc.)

- MYP Design
- Design Technology at MS level, Design Technology 1 and 2 at HS level, IB Design Technology
- STEM grade 6, STEM grade 7 and STEM grade 8. In HS - Graphic Design, Advanced Graphic Design, Technology for Innovation, Computer Studies, Innovation and Entrepreneurship 1 and 2
- For Middle School, 6th grade LEGO Robotics, 7th grade Adobe Illustrator and Laser Cutting, 8th grade Maker Class
- Product Design, Computer Modeling and Making. We also include Coding and Robotics in DT offerings
- MYP Design, focused mostly on product and textiles

- MS Design Technology, MS Art and Design, HS Computer Science - almost all are optional courses
- Design Technology (mostly product), Robotics, Coding Games
- We are an IB school so design is a core part of our program, with every student in grades 6-10 having design focused on technology and materials.
- We offer a balanced program of digital and product design in grades 6-10
- Blended product and digital design 6-10
- Combined Digital and Product Design
- Digital Design, Design Technology
- product, digital, outdoor learning
- Design studio, design fabrication, design for impact
- App Lab, Design Technology, Design and Fabrication Lab, Design Studio, Design for Impact

Please note which courses incorporate elements of design (e.g. Visual Arts, Science, Technology, design across the curriculum, etc.)

- MYP Design; strat planning; HS faculty meetings
- Robotics and Coding, Creative Technologies, science, visual art, a large scale inquiry project we call Project X, all other courses have elements of design as well but at a much smaller scale
- All Courses

Please check the grade levels at which design is offered.
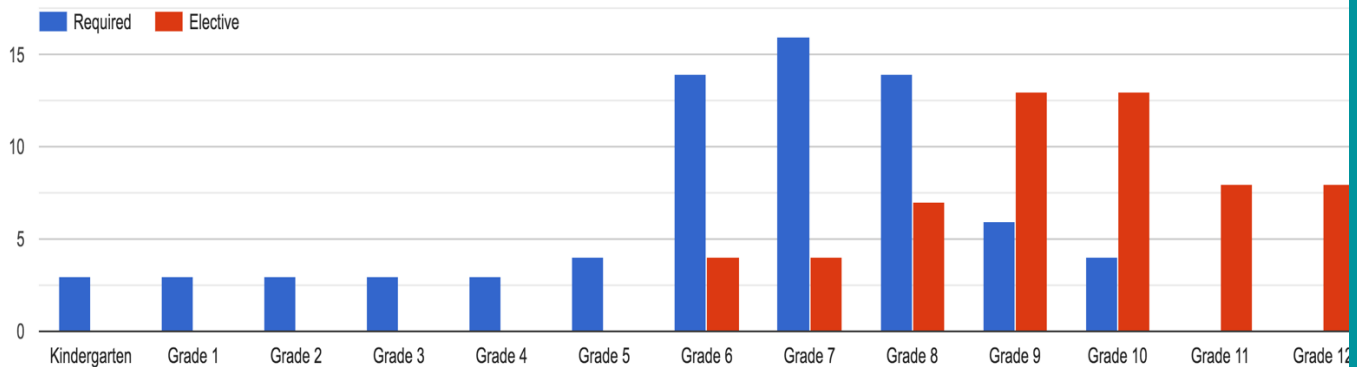
What standards have you adopted or defined for Design courses? How are the learning expectations (what students should know, understand and be able to do) determined?

- MYP (6 responses)

- We use NGSS Engineering design in K-8, then we use a modified MYP Design Technology in grades 9 and 10, with some MIT Design Thinking, some PBL, some IB Design Technology...
- ISTE. These are determined by the tool we are using. All levels have a Design Cycle process.
- Developed in-house from other models focus on process
- we use a modified set of ISTE standards, Washington State computer science standards, NGSS science and engineering standards
- None. Determined by teacher at the moment
- Use of the design cycle as a standard, something similar to MYP. This allows for flexibility in content but focus on learning objectives.
- IB Design
- Standards of National Curriculum - Adapted from Information Technologies and Design Technology lessons.
- ISTE and MYP Design. Project based with process journals showcasing evidence.
- They are determined by the Design Cycle used.
- Created our own standards based on a mix of IBO and IDEO,

If your school has adopted a design process, please briefly describe it here.

- MYP design cycle (5 Responses)
- we also use Kath Murdoch's Inquiry Cycle
- Here is a link. https://docs.google.com/document/d/1Flpy9t_PhFS8D3ybCpzhKx31ZAf0DoTtva-w60bQadw/edit?usp=sharing
- Our Design Cycle uses: Understand, Design, Make, Evaluate
- We adopted a design cycle that includes imagine, investigate, plan, create, evaluate (but we are considering revising it based on teacher feedback and need to include empathy) https://drive.google.com/drive/search?q=design%20cycle
- Define and Inquire, Develop and Plan, Create and Improve, Reflect, Make an Impact and Share are the "stages" of our design Process.
- ISTE in general terms
- ISB's design cycle. Understand, Design, Make, Evaluate
- Yes, IB Design. Closely aligned with IDEO
- We combined both the requirements of national curriculum and the MYP Criteria requirements. Increase the level of complexity from Grade 5 to 10. We tried to keep everything simple at the beginning level in order to motivate students.
- Design Cycle, custom including elements of the MYP Design Cycle and competency development cycle from CGC guided inquiry.
- 4 phases. Inquiring and Analyzing, Developing Ideas, Creating the Solution, Evaluating
- Main strands are discover, imagine, create and reflect. 10 standards between these strands.
- We use the Design Thinking process (loosely)